GOVERNMENT OF MADRAS

APPENDIX F

TO THE

CIVIL BUDGET ESTIMATES

FOR THE YEAR

1932-1933

DETAILED IRRIGATION BUDGET
(MAJOR HEADS XIII, XIV, 15, 16 AND 55)
[DEMANDS VI AND VII]

MADRAS
PRINTED BY THE SUPERINTENDENT, GOVERNMENT PRESS
1932

DETAILED IRRIGATION BUDGET, 1932-1933.

TABLE OF CONTENTS

	PAGES
ABSTRACT OF REVENUE FROM AND EXPENDITURE ON IRRIGATION WORKS ..	(i) to (ii)
HEAD OF ACCOUNT.	
XIII. IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS FOR WHICH CAPITAL ACCOUNTS ARE KEPT—GROSS RECEIPTS	1—7
XIV. IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS FOR WHICH NO CAPITAL ACCOUNTS ARE KEPT	8—10
DEMAND VI—IRRIGATION (EXCLUDING CAUVERY-METTUR PROJECT)—	
SUMMARY OF THE DEMAND	11
15. IRRIGATION—OTHER REVENUE EXPENDITURE FINANCED FROM ORDINARY REVENUES	12—14, 23—27
XIII. IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS FOR WHICH CAPITAL ACCOUNTS ARE KEPT—WORKING EXPENSES	15, 28—32
16. CONSTRUCTION OF IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS	16
55. CONSTRUCTION OF IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS (NOT CHARGED TO REVENUE)—	
OTHER WORKS	17—19, 22, 33—39
TOTALS FOR THE MAJOR HEAD—	
15. IRRIGATION	20
XIII. IRRIGATION—WORKING EXPENSES	21
16. IRRIGATION	21
55. IRRIGATION	22
DEMAND VII—CAUVERY-METTUR PROJECT ..	40 – 57

GOVERNMENT OF MADRAS

DETAILED IRRIGATION BUDGET, 1932-1933.

ABSTRACT OF REVENUE FROM AND EXPENDITURE ON IRRIGATION WORKS.

Head of account. (1)	Details. (2)	Budget Estimate, 1932–1933. (3)
	REVENUE.	RS.
XIII. Irrigation, Navigation, Embankment and Drainage Works for which Capital Accounts are kept—Gross Receipts.	Gross receipts (collected by the Public Works Department)	5,86,600
	Grand Total—' XIII '—Gross Receipts.	5,86,600
XIV. Irrigation, Navigation, Embankment and Drainage Works for which *no* Capital Accounts are kept.	Direct receipts (Public Works Department).	1,90,100
	Direct receipts (Minor Irrigation)	76,800
	Grand Total—' XIV ' ..	2,66,900
	EXPENDITURE.	
15. Other Revenue expenditure financed from ordinary revenues— I. Works in charge of Public Works Department.	Works	98,800
	Extensions and Improvements	1,33,700
	Maintenance and Repairs	22,16,000
	Establishment	6,28,400
	Tools and Plant	20,400
	Miscellaneous Expenditure	3,500
	Lump addition for regrant of lapses ..	50,000
	Lump deduction on account of probable savings	— 50,000
	Total—India ..	31,00,800
II. Minor Irrigation ..	Minor Irrigation	15,49,000
	Grand Total—' 15 ' ..	46,49,800

DETAILED IRRIGATION BUDGET, 1932–1933

ABSTRACT OF REVENUE FROM AND EXPENDITURE ON IRRIGATION WORKS—*cont.*

Head of account. (1)	Details. (2)	Budget Estimate, 1932–1933. (3)
		RS.
XIII. Irrigation, Navigation, Embankment and Drainage Works for which Capital Accounts are kept—Working Expenses.	Extensions and Improvements	1,68,400
	Maintenance and Repairs	29,70,600
	Establishment (including Pensionary charges)	11,78,000
	Tools and Plant	26,200
	Lump addition for regrant of lapses ..	20,000
	Lump deduction on account of probable savings	— 20,000
	Total—'XIII'—Working Expenses ..	**43,43,200**
16. Construction of Irrigation, Navigation, Embankment and Drainage works—	Financed from ordinary Revenues—	
	Works	2,61,900
	Establishment (including Pensionary charges)	70,600
	Tools and Plant	2,200
	Total—'16'—Financed from ordinary Revenues	3,34,700
55. Construction of Irrigation, Navigation, Embankment and Drainage works—		
Cauvery-Mettur Project ..	Works	73,59,300
	Establishment (including Pensionary charges)	5,00,200
	Tools and Plant	17,000
	Suspense	— 39,000
	Deduct—	
	(1) Recoveries on Capital account ..	— 89,000
	(2) English cost of stores	— 27,000
	Total—India ..	77,21,500
	Expenditure in England ..	62,800
	Total—Cauvery-Mettur Project ..	**77,84,300**
Other Works	Works	8,35,300
	Establishment (including Pensionary charges)	1,02,600
	Tools and Plant	1,800
	Lump addition for regrant of lapses ..	50,000
	Lump deduction on account of probable savings	— 50,000
	Total—India ..	9,39,700
	Expenditure in England ..	..
	Total—Other Works ..	**9,39,700**
	Grand Total—'55' ..	**87,24,000**

XIII.—IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS FOR WHICH CAPITAL ACCOUNTS ARE KEPT—Gross Receipts.

Summary by Sub-major and Minor Heads.

Sub-major head number. (1)	Minor head number. (2)	Sub-major and Minor heads. (3)	Accounts, 1930–1931. (4)	Budget Estimate, 1931–1932. (5)	Revised Estimate, 1931–1932. (6)	Budget Estimate, 1932–1933. (7)
XIII. A.		IRRIGATION WORKS.	RS.	RS.	RS.	RS.
(1).		PRODUCTIVE WORKS.				
	XIII. A. (1).	GROSS RECEIPTS.				
	a.	Direct Receipts * ..	4,82,915	4,98,100	4,17,300	4,17,500
	b.	*Deduct*—Refunds—Voted.	— 32,218	— 3,000	— 3,000	— 3,000
		Total—A. (1). Irrigation Works—Productive Works—Gross Receipts	4,50,697	4,95,100	4,14,300	4,14,500
XIII. A. (2).		UNPRODUCTIVE WORKS.				
	XIII. A. (2).	GROSS RECEIPTS.				
	a.	Direct Receipts* ..	62,890	59,100	59,600	58,900
	b.	*Deduct*—Refunds—Voted.	— 299	— 300	— 300	— 300
			141 †			
		Total—A. (2). Irrigation Works—Unproductive Works—Gross Receipts ..	62,450	58,800	59,300	58,600
		TOTAL—XIII. A.—IRRIGATION WORKS—GROSS RECEIPTS ..	5,13,147	5,53,900	4,73,600	4,73,100

* This is a group minor head and includes several minor heads which are shown separately.

† Non-voted.

XIII.—IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS FOR WHICH CAPITAL ACCOUNTS ARE KEPT—GROSS RECEIPTS—*cont.*

Summary by Sub-major and Minor Heads—*cont.*

Sub-major head number. (1)	Minor head number. (2)	Sub-major and Minor heads. (3)	Accounts, 1930–1931. (4)	Budget Estimate, 1931–1932. (5)	Revised Estimate, 1931–1932. (6)	Budget Estimate, 1932–1933. (7)
			RS.	RS.	RS.	RS.
XIII. B. (2).		NAVIGATION, EMBANKMENT AND DRAINAGE WORKS.				
		UNPRODUCTIVE WORKS.				
		GROSS RECEIPTS.				
	XIII. B. (2). a.	DIRECT RECEIPTS ..	1,06,186	93,300	1,14,000	1,13,800
	b.	*Deduct*—REFUNDS—VOTED.	— 118	— 300	— 300	— 300
		TOTAL—B. (2). NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—UNPRODUCTIVE WORKS—GROSS RECEIPTS ..	1,06,068	93,000	1,13,700	1,13,500
		TOTAL—XIII. B. NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—GROSS RECEIPTS	1,06,068	93,000	1,13,700	1,13,500
		GRAND TOTAL—GROSS RECEIPTS *.	6,19,215	6,46,900	5,87,300	5,86,600

* The figures do not include portion of Land Revenue due to Irrigation.

XIII.—IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS FOR WHICH CAPITAL ACCOUNTS ARE KEPT—*cont.*

A. (1). Irrigation Works—Productive Works—Gross Receipts.

Summary by Minor Heads.

Minor heads. (1)	Accounts, 1930–1931. (2)	Budget Estimate, 1931–1932. (3)	Revised Estimate, 1931–1932. (4)	Budget Estimate, 1932–1933. (5)
	RS.	RS.	RS.	RS.
Water-supply of towns	5,628	5,000	5,000	6,000
Sales of water	10,092	12,800	8,000	8,000
Plantations	44,742	50,000	42,000	42,000
Other canal produce	1,05,477	1,20,000	81,000	81,000
Navigation	2,75,072*	2,70,000	2,40,000	2,40,000
Rents	11,504	12,000	11,400	11,400
Fines	39	100	100	100
Recoveries of expenditure	7,975	7,200	8,800	8,000
Miscellaneous	22,386	21,000	21,000	21,000
Deduct—Refunds	— 32,218	— 3,000	— 3,000	— 3,000
GRAND TOTAL—XIII. A. (1)—IRRIGATION WORKS—PRODUCTIVE WORKS—GROSS RECEIPTS ..	4,50,697	4,95,100	4,14,300	4,14,500

* Includes Re. 1 shown in the accounts under water rates.

XIII.—IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS FOR WHICH CAPITAL ACCOUNTS ARE KEPT—*cont.*

A. (1). Irrigation Works—Productive Works—Gross Receipts.

Details by Systems.

Systems. (1)	Accounts, 1930–1931. (2)	Budget Estimate, 1931–1932. (3)	Revised Estimate, 1931–1932. (4)	Budget Estimate, 1932–1933. (5)
	RS.	RS.	RS.	RS.
1. Ganjam Minor Rivers system	199	20	50	50
2. Godavari Delta system	2,14,449	2,34,200	1,95,500	1,83,300
3. Kistna Delta system	1,85,487	1,84,500	1,48,600	1,67,900
4. Divi Pumping system	6,825	7,200	6,500	6,500
5. Pennar River Canals system	5,831	3,600	7,000	5,000
6. Arkenkota channel	320	400	200	200
7. Thadapalli channel	1,351	1,560	1,000	1,000
8. Kalingarayan channel	2,197	2,500	2,500	2,500
9. Palar Anicut system	1,377	1,700	..	..
10. Chembrambakkam tank	238	150	150	150
11. Poiney Anicut system	203	350	200	200
12. Cheyyar Anicut system	1,308	1,600	1,300	1,300
13. Tirukkoyilur Anicut system	1,051	2,200	1,000	1,000
14. Shatiatope Anicut system	893	2,000	1,000	1,000
15. Toludur project	471	600	500	500
16. Mehmathur Anicut system	79	120	100	100
17. Vriddhachalam Anicut system	385	1,300	300	300
18. Pelandorai Anicut system	1,167	1,200	..	..
19. Lower Coleroon Anicut system	8,400	9,000	8,000	7,000
20. Cauvery Delta system	15,140	12,000	15,900	12,000
21. Nandiyar channel system	377	400	200	200
22. Periyar system	— 8,254	14,000	14,500	14,500
23. Srivaikuntam Anicut system	5,066	6,800	5,000	5,000
24. Marudur Anicut system	2,083	2,200	1,600	1,600
25. Kattalai Scheme	3,724	5,500	3,000	3,000
26. Polavaram Island Project	330	..	200	200
TOTAL—XIII. A. (1). IRRIGATION WORKS—PRODUCTIVE WORKS—GROSS RECEIPTS	4,50,697	4,95,100	4,14,300	4,14,500

22 SEP 19

XIII.—IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS FOR WHICH CAPITAL ACCOUNTS ARE KEPT—*cont.*

A. (2). Irrigation Works—Unproductive Works—Gross Receipts.

Summary by Minor Heads.

Minor heads. (1)	Accounts, 1930-1931. (2)	Budget Estimate, 1931-1932. (3)	Revised Estimate, 1931-1932. (4)	Budget Estimate, 1932-1933. (5)
	RS.	RS.	RS.	RS.
Water-rates	4,000	4,000	4,000	4,000
Water-supply of towns	42,322	40,000	40,000	40,000
Sales of water	1,102	1,000	1,000	1,000
Plantations	1,319	1,300	2,000	1,300
Other canal produce	9,279	9,000	9,000	9,000
Navigation	542	300	500	500
Rents	2,217	1,800	1,800	1,800
Recoveries of expenditure	920	100	300	300
Miscellaneous	1,189	1,600	1,000	1,000
Deduct—Refunds	— 440*	— 300	— 300	— 300
GRAND TOTAL—XIII. A. (2). IRRIGATION WORKS—UNPRODUCTIVE WORKS—GROSS RECEIPTS.	62,450	58,800	59,300	58,600

* Voted (Rs. 299) + Non-voted (Rs. 141).

XIII.—IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS FOR WHICH CAPITAL ACCOUNTS ARE KEPT—*cont.*

A. (2). Irrigation Works—Unproductive Works—Gross Receipts.

Details by Systems.

Systems. (1)	Accounts, 1930–1931. (2)	Budget Estimate, 1931–1932. (3)	Revised Estimate, 1931–1932. (4)	Budget Estimate, 1932–1933. (5)
	RS.	RS.	RS.	RS.
1. Rushikulya system	2,715	3,200	3,200	3,000
2. Nagavalli river system	651	500	450	450
3. Muniyeru system	785	1,200	700	700
4. Mopad reservoir	256	300	250	250
5. Hajipuram tank	..	500	300	300
6. Sagileru system	329	70	30	30
7. Markapur tank	..	10	..	..
8. Kurnool-Cuddapah canal	10,628	10,500	9,100	8,600
9. Barur tank	1,703	1,900	1,750	1,750
10. Kanniyampalayam anicut	4,000	4,000	4,000	4,000
11. Madras Water-supply and Irrigation system	40,961	36,300	36,300	36,300
12. Vallur anicut system	231	200	200	200
13. Panjapatti reservoir	111	110	110	110
14. Dondapad tank	..	10	10	10
15. Bhavanasi tank	35	..	..	..
16. Ponnalur tank	..	..	..	..
17. Palar anicut system	..	..	1,700	1,700
18. Pelandorai anicut system	..	..	1,200	1,200
19. Yerur tank	45	..	..	..
GRAND TOTAL—XIII. A. (2). IRRIGATION WORKS—UNPRODUCTIVE WORKS—GROSS RECEIPTS	62,450	58,800	59,300	58,600

XIII.—IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS FOR WHICH CAPITAL ACCOUNTS ARE KEPT—*cont.*

B. (2). Navigation, Embankment and Drainage Works—Unproductive Works—Gross Receipts.

Summary by Minor Heads.

Minor heads. (1)	Accounts, 1930–1931. (2)	Budget Estimate, 1931–1932. (3)	Revised Estimate, 1931–1932. (4)	Budget Estimate, 1932–1933. (5)
	RS.	RS.	RS.	RS.
Navigation	95,187	90,000	1,10,000	1,10,000
Sales of Water	100	100	100	100
Plantations	7,075	..	200	..
Rents	531	500	500	500
Recoveries of expenditure	423	100	400	400
Miscellaneous	2,870	2,600	2,800	2,800
Deduct—Refunds	— 118	— 300	— 300	— 300
GRAND TOTAL—XIII. B. (2). NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—UNPRODUCTIVE WORKS—GROSS RECEIPTS	1,06,068	93,000	1,13,700	1,13,500

XIII.—IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS FOR WHICH CAPITAL ACCOUNTS ARE KEPT—*cont.*

B. (2). Navigation, Embankment and Drainage Works—Unproductive Works—Gross Receipts.

Details by Systems.

Systems. (1)	Accounts, 1930–1931. (2)	Budget Estimate, 1931–1932. (3)	Revised Estimate, 1931–1932. (4)	Budget Estimate, 1932–1933. (5)
	RS.	RS.	RS.	RS.
1. Ganjam-Gopalpur canal	7,088	..	..	..
2. Buckingham canal	97,979	91,900	1,12,600	1,12,400
3. Vedaranniyam canal	1,001	1,100	1,100	1,100
GRAND TOTAL—XIII. B. (2). NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—UNPRODUCTIVE WORKS—GROSS RECEIPTS..	1,06,068	93,000	1,13,700	1,13,500

XIV.—IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS FOR WHICH NO CAPITAL ACCOUNTS ARE KEPT.

Summary by Sub-major and Minor Heads.

Sub-major head number. (1)	Minor head number. (2)	Sub-major and Minor heads. (3)	Accounts, 1930–1931. (4)	Budget Estimate, 1931–1932. (5)	Revised Estimate, 1931–1932. (6)	Budget Estimate, 1932–1933. (7)
			RS.	RS.	RS.	RS.
XIV. A.		IRRIGATION WORKS.				
(2).		WORKS FOR WHICH NEITHER CAPITAL NOR REVENUE ACCOUNTS ARE KEPT.				
		PUBLIC WORKS DEPARTMENT.				
	XIV. A. (2). a.	DIRECT RECEIPTS * ..	1,24,826	97,900	1,07,300	1,05,600
	b.	*Deduct*—REFUNDS—VOTED	— 1,774	— 500	— 3,700	— 1,800
		TOTAL—PUBLIC WORKS DEPARTMENT	1,23,052	97,400	1,03,600	1,03,800
		MINOR IRRIGATION.				
	XIV. A. (2). a.	DIRECT RECEIPTS * ..	87,222	96,500	81,300	80,300
	b.	*Deduct*—REFUNDS—VOTED	— 14,916 † 4	— 3,500	— 3,500	— 3,500
		TOTAL—MINOR IRRIGATION	72,310 ‡ 371	93,000	77,800	76,800
		TOTAL—A. IRRIGATION WORKS ..	1,95,362 ‡ 371	1,90,400	1,81,400	1,80,600
XIV. B.		NAVIGATION, EMBANKMENT AND DRAINAGE WORKS.				
(2).		WORKS FOR WHICH NEITHER CAPITAL NOR REVENUE ACCOUNTS ARE KEPT.				
	XIV. B. (2). a.	DIRECT RECEIPTS * ..	88,109	87,000	87,600	87,100
	b.	*Deduct*—REFUNDS—VOTED	— 1,711	— 600	— 800	— 800
		TOTAL—B. NAVIGATION, EMBANKMENT AND DRAINAGE WORKS	86,398	86,400	86,800	86,300
		GRAND TOTAL § ..	2,81,760 ‡ 371	2,76,800	2,68,200	2,66,900

* This is a group minor head and includes several minor heads which are shown separately.
† Loss or gain by exchange. ‡ Receipts in England—Miscellaneous.
§ The figures do not include portion of Land Revenue due to Irrigation.

XIV.—IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS FOR WHICH NO CAPITAL ACCOUNTS ARE KEPT—*cont.*

A. (2). Irrigation Works—Works for which neither Capital nor Revenue Accounts are kept—Public Works Department.

a. Direct Receipts.

Summary by Minor heads.

Minor heads. (1)	Accounts, 1930–1931. (2)	Budget Estimate, 1931–1932. (3)	Revised Estimate, 1931–1932. (4)	Budget Estimate, 1932–1933. (5)
	RS.	RS.	RS.	RS.
Sales of water	53,658	6,000	3,500	3,500
Plantations	4,579	4,000	3,000	3,000
Other canal produce	7,590	9,000	6,000	6,000
Water power	..	32,300	44,600	44,600
Navigation	10	100	100	100
Rents (other than rents of furniture) ..	596	600	500	500
Recoveries of expenditure	1,416	800	2,500	800
Fines	..	100	100	100
Miscellaneous	56,977	45,000	47,000	47,000
GRAND TOTAL—XIV. A. (2). a. IRRIGATION WORKS—PUBLIC WORKS DEPARTMENT—DIRECT RECEIPTS.	1,24,826	97,900	1,07,300	1,05,600

XIV.—IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS FOR WHICH NO CAPITAL ACCOUNTS ARE KEPT—*cont.*

A. (2). Irrigation Works—Works for which neither Capital nor Revenue Accounts are kept—Minor Irrigation.

a. Direct Receipts.

Summary by Minor Heads.

Minor heads. (1)	Accounts, 1930–1931. (2)	Budget Estimate, 1931–1932. (3)	Revised Estimate, 1931–1932. (4)	Budget Estimate, 1932–1933. (5)
	RS.	RS.	RS.	RS.
Sales of water	10,027	9,000	16,000	15,000
Water-rate	1,006	1,000	1,000	1,000
Recoveries of expenditure	71,046	80,000	60,000	60,000
Fines	246	1,000	300	300
Miscellaneous	4,897	5,500	4,000	4,000
GRAND TOTAL—XIV. A. (2). a. IRRIGATION WORKS—MINOR IRRIGATION—DIRECT RECEIPTS ..	87,222	96,500	81,300	80,300

XIV. B. (2).—Navigation, Embankment and Drainage Works—Works for which neither Capital nor Revenue Accounts are kept.

a. Direct Receipts.

Summary by Minor Heads.

Sales of water	11,117	6,000	8,000	8,000
Navigation	25,790	27,500	23,500	23,500
Plantations	24,884	29,400	29,000	29,000
Rents (Other than rents of furniture).	28	100	100	100
Recoveries of expenditure	1,004	1,000	1,500	1,000
Miscellaneous	25,286	23,000	25,500	25,500
GRAND TOTAL—XIV. B. (2). a. NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—DIRECT RECEIPTS	88,109	87,000	87,600	87,100

DEMAND VI.—IRRIGATION (EXCLUDING CAUVERY-METTUR PROJECT)—RESERVED.

ESTIMATE OF THE TOTAL GRANT REQUIRED IN 1932–1933.

VOTED .. .. Rs. 82,64,600

Non-voted .. .. *Rs. 19,500*

Summary by Major Heads.

HEAD OF ACCOUNT. (1)	Accounts, 1930–1931. Non-voted. (2)	Accounts, 1930–1931. Voted. (3)	Budget Estimate, 1931–1932. Non-voted. (4)	Budget Estimate, 1931–1932. Voted. (5)	Revised Estimate, 1931–1932. Non-voted. (6)	Revised Estimate, 1931–1932. Voted. (7)	Budget Estimate, 1932–1933. Non-voted. (8)	Budget Estimate, 1932–1933. Voted. (9)
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
15. IRRIGATION—OTHER REVENUE EXPENDITURE FINANCED FROM ORDINARY REVENUES ..	*995*	45,76,362	..	47,79,100	..	46,56,100	..	40,01,000
XIII. IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS FOR WHICH CAPITAL ACCOUNTS ARE KEPT—WORKING EXPENSES ..	*9,535*	38,08,639	*8,600*	39,40,500	*11,800*	40,56,500	*9,300*	31,35,400
16. CONSTRUCTION OF IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS ..	..	6,07,362	..	4,73,500	..	4,16,000	..	2,61,900
55. CONSTRUCTION OF IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—OTHER WORKS ..	..	83,211	*17,300*	5,94,300	*5,900*	3,48,800	*10,200*	8,66,300
TOTAL—DEMAND VI—(RESERVED) ..	*10,530*	90,75,574	*25,900*	97,87,400	*17,700*	94,77,400	*19,500*	82,64,600
	90,86,104		98,13,300		94,95,100		82,84,100	

15. IRRIGATION—OTHER REVENUE EXPENDITURE FINANCED FROM ORDINARY REVENUES—RESERVED.

Summary by Minor Heads and Sub-heads of appropriation.

MINOR HEADS and SUB-HEADS of appropriation. (ITEMS OF GRANT). (1)	Accounts, 1930–1931.		Budget Estimate, 1931–1932.		Revised Estimate, 1931–1932.		Budget Estimate, 1932–1933.	
	Non-voted. (2)	Voted. (3)	Non-voted. (4)	Voted. (5)	Non-voted. (6)	Voted. (7)	Non-voted. (8)	Voted. (9)
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
MINOR IRRIGATION.								
IRRIGATION WORKS.								
15. a. WORKS	..	35,045	..	40,000	..	31,800	..	20,000
15. b. MAINTENANCE AND REPAIRS ..	..	13,22,945	..	14,30,000	..	14,08,600	..	13,00,000
15. c. ESTABLISHMENT—								
c. A. PAY OF ESTABLISHMENTS ..	..	1,99,176	..	1,98,000	..	1,90,500	..	1,75,700
c. B. OTHER CHARGES ..	..	64,686	..	68,800	..	58,400	..	52,300
15. d. TOOLS AND PLANT.	..	66	..	100	..	100	..	100
15. e. GRANTS-IN-AID ..	..	860	..	900	..	900	..	900
TOTAL—MINOR IRRIGATION	..	16,22,778	..	17,37,800	..	16,90,300	..	15,49,000
PUBLIC WORKS DEPARTMENT.								
IRRIGATION WORKS.								
WORKS FOR WHICH NEITHER CAPITAL NOR REVENUE ACCOUNTS ARE KEPT.								
15. f. WORKS	..	45,416	..	75,000	..	1,11,900	..	98,200
15. g. EXTENSIONS AND IMPROVEMENTS.	..	1,95,653	..	1,64,400	..	1,58,600	..	1,16,200
15. h. MAINTENANCE AND REPAIRS ..	*55*	15,00,046	..	19,12,200	..	18,02,400	..	14,79,000
Carried over ..	*55*	17,41,115	..	21,51,600	..	20,72,900	..	16,93,400

15.—IRRIGATION—OTHER REVENUE EXPENDITURE FINANCED FROM ORDINARY REVENUES—RESERVED—*cont.*

Summary by Minor Heads and Sub-heads of appropriation—*cont.*

MINOR HEADS and SUB-HEADS of appropriation. (ITEMS OF GRANT.)	Accounts, 1930–1931.		Budget Estimate, 1931–1932.		Revised Estimate, 1931–1932.		Budget Estimate, 1932–1933.	
	Non-voted.	Voted.	Non-voted.	Voted.	Non-voted.	Voted.	Non-voted.	Voted.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
PUBLIC WORKS DEPARTMENT—*cont.*								
IRRIGATION WORKS—*cont.*								
Brought forward ..	*55*	17,41,115	..	21,51,600	..	20,72,900	..	16,93,400
MISCELLANEOUS EXPENDITURE.								
15. l. ESTABLISHMENTS—								
l. A. PAY OF OFFICERS AND ESTABLISHMENTS ..	*510*	5,069	..	2,000	..	2,400	..	..
l. B. OTHER CHARGES ..	*429*	2,031	..	1,400	..	1,000	..	..
Total—15. l. ..	*939*	7,100	..	3,400	..	3,400	.	..
15. m. TOOLS AND PLANT.	..	—11,245	..	400	..	— 1,200	..	..
15. n. OTHER CHARGES ..	..	8,718	..	2,000	..	1,700	..	1,700
TOTAL—PUBLIC WORKS DEPARTMENT ..	*994*	17,45,688	..	21,57,400	..	20,76,800	..	16,95,100
TOTAL—IRRIGATION WORKS.	*994*	33,68,466	..	38,95,200	..	37,67,100	..	32,44,100
	33,69,460		38,95,200		37,67,100		32,44,100	

15.—IRRIGATION—OTHER REVENUE EXPENDITURE FINANCED FROM ORDINARY REVENUES—RESERVED—*cont.*

Summary by Minor Heads and Sub-heads of appropriation—*cont.*

MINOR HEADS and SUB-HEADS of appropriation. (ITEMS OF GRANT.)	Accounts, 1930–1931.		Budget Estimate, 1931–1932.		Revised Estimate, 1931–1932.		Budget Estimate, 1932–1933.	
	Non-voted.	Voted.	Non-voted.	Voted.	Non-voted.	Voted.	Non-voted.	Voted.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
NAVIGATION, EMBANKMENT AND DRAINAGE WORKS FOR WHICH NEITHER CAPITAL NOR REVENUE ACCOUNTS ARE KEPT.								
15. p. WORKS		19,236	..	24,500	..	23,100	..	600
15. q. EXTENSIONS AND IMPROVEMENTS ..		2,15,771	..	57,500	..	52,100	..	17,500
15. r. MAINTENANCE AND REPAIRS ..	*1*	9,71,056	..	8,00,000	..	8,12,000	..	7,37,000
MISCELLANEOUS EXPENDITURE.								
15. u. MISCELLANEOUS EXPENDITURE.		1,833	..	1,900	..	1,800	..	1,800
TOTAL—NAVIGATION, ETC., WORKS ..	*1*	12,07,896	..	8,83,900	..	8,89,000	..	7,56,900
	12,07,897		8,83,900		8,89,000		7,56,900	
15. v. LUMP ADDITION FOR REGRANT OF LAPSES ..	..	..	..	50,000	..	..	..	50,000
15. w. LUMP DEDUCTION FOR PROBABLE SAVINGS ..	..	..	..	— 50,000	..	..	..	— 50,000
TOTAL—15. (INCLUDED IN DEMAND VI).	*995*	45,76,362	..	47,79,100	..	46,56,100	..	40,01,000
	45,77,357		47,79,100		46,56,100		40,01,000	

XIII.—IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS FOR WHICH CAPITAL ACCOUNTS ARE KEPT—WORKING EXPENSES—RESERVED.

Summary by Minor Heads and Sub-heads of appropriation.

MINOR HEADS and SUB-HEADS of appropriation. (ITEMS OF GRANT.)	Accounts, 1930–1931.		Budget Estimate, 1931–1932.		Revised Estimate, 1931–1932.		Budget Estimate, 1932–1933.	
	Non-voted.	Voted.	Non-voted.	Voted.	Non-voted.	Voted.	Non-voted.	Voted.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
IRRIGATION WORKS—PRODUCTIVE WORKS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
XIII. a. EXTENSIONS AND IMPROVEMENTS.	..	4,00,702	..	4,28,400	..	5,60,000	..	1,46,500
XIII. b. MAINTENANCE AND REPAIRS ..	*8,254*	28,51,399	*7,600*	29,71,000	*7,900*	27,16,100	*7,900*	24,42,100
XIII. c. ESTABLISHMENT— c. A. SPECIAL ESTABLISHMENT.	..	6,519	..	6,200	..	5,900	..	5,700
TOTAL—IRRIGATION WORKS—PRODUCTIVE WORKS.	*8,254*	32,58,620	*7,600*	34,05,600	*7,900*	32,82,000	*7,900*	25,94,300
	32,66,874		34,13,200		32,89,900		26,02,200	
IRRIGATION WORKS—UNPRODUCTIVE WORKS.								
XIII. e. EXTENSIONS AND IMPROVEMENTS.	..	28,069	..	55,000	..	70,000	..	21,500
XIII. f. MAINTENANCE AND REPAIRS ..	*263*	2,69,526	..	2,67,300	*400*	5,10,900	*400*	3,45,300
TOTAL—IRRIGATION WORKS—UNPRODUCTIVE WORKS.	*263*	2,97,595	..	3,22,300	*400*	5,80,900	*400*	3,66,800
	2,97,858		3,22,300		5,81,300		3,67,200	
NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—UNPRODUCTIVE WORKS.								
XIII. j. EXTENSIONS AND IMPROVEMENTS.	..	3,947	..	12,000	..	11,600	..	400
XIII. k. MAINTENANCE AND REPAIRS ..	*1,018*	2,48,477	*1,000*	2,00,600	*3,500*	1,82,000	*1,000*	1,73,900
TOTAL—NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—UNPRODUCTIVE WORKS.	*1,018*	2,52,424	*1,000*	2,12,600	*3,500*	1,93,600	*1,000*	1,74,300
	2,53,442		2,13,600		1,97,100		1,75,300	
XIII. n. LUMP ADDITION FOR REGRANT OF LAPSES ..	..	..	..	20,000	..	..	..	20,000
XIII. p. LUMP DEDUCTION FOR PROBABLE SAVINGS	..	..	..	— 20,000	..	..	..	— 20,000
TOTAL—XIII. (INCLUDED IN DEMAND VI).	*9,535*	38,08,639	*8,600*	39,40,500	*11,800*	40,56,500	*9,300*	31,35,400
	38,18,174		39,49,100		40,68,300		31,44,700	

16.—CONSTRUCTION OF IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—RESERVED.

Summary by Minor Heads and Sub-heads of appropriation.

MINOR HEADS and SUB-HEADS of appropriation. (ITEMS OF GRANT.)	Accounts, 1930–1931.		Budget Estimate, 1931–1932.		Revised Estimate, 1931–1932.		Budget Estimate, 1932–1933.	
	Non-voted.	Voted.	Non-voted.	Voted.	Non-voted.	Voted.	Non-voted.	Voted.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
FINANCED FROM ORDINARY REVENUES.								
16. a. IRRIGATION WORKS—								
(1) PRODUCTIVE—								
a. A. WORKS			..	3,17,700	..	3,31,900	..	1,62,400
(2) UNPRODUCTIVE—								
a. A. WORKS			..	1,17,100	..	77,900	..	93,000
TOTAL—16. a. ..			..	4,34,800	..	4,09,800	..	2,55,400
16. b. NAVIGATION WORKS—								
b. A. WORKS ..			..	8,700	..	6,200	..	6,500
TOTAL—16. b ..			..	8,700	..	6.200	..	6,500
TOTAL—FINANCED FROM ORDINARY REVENUES.	* 39,410	*7,21,485	..	4,43,500	..	4,16,000	..	2,61,900
	* 7,60,895		4,43,500		4,16,000		2,61,900	
FINANCED FROM FAMINE RELIEF FUND.								
16. c. IRRIGATION WORKS—								
c. A. WORKS	..	..	..	30,000	..	..		..
TOTAL—FINANCED FROM FAMINE RELIEF FUND ..	..	..	..	30,000	..	..		..
	..		30,000		..		..	
TOTAL—16. (INCLUDED IN DEMAND VI) ..	*39,410	*7,21,485	..	4,73,500	..	4,16,000	..	2,61,900
	* 7,60,895		4,73,500		4,16,000		2,61,900	

* Includes Establishment and Tools and Plant also.

55.—CONSTRUCTION OF IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—OTHER WORKS—RESERVED.

Summary by Minor Heads and Sub-heads of appropriation.

MINOR HEADS and SUB-HEADS of appropriation. (ITEMS OF GRANT.)	Accounts, 1930–1931.		Budget Estimate, 1931–1932.		Revised Estimate, 1931–1932.		Budget Estimate, 1932–1933.	
	Non-voted.	Voted.	Non-voted.	Voted.	Non-voted.	Voted.	Non-voted.	Voted.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
IRRIGATION WORKS—PRODUCTIVE.								
55. a. WORKS—								
a. A. GODAVARI DELTA SYSTEM ..	..	2,13,380	..	(R) 25,000 1,55,900	..	(R) 11,400 1,44,000	..	(R) 1,37,300 82,100
a. B. POLAVARAM ISLAND PROJECT ..	..	32,329	..	(R) 75,000	..	(R) 31,000	..	(R) 26,000
a. C. KISTNA DELTA SYSTEM	..	35,684	..	(R) 40,000 40,100	..	(R) 53,000 32,200	..	(R) 40,000 14,100
a. D. DIVI PUMPING SYSTEM	..	16,203	..	(R) 2,500	..	(R) 1,800	..	..
a. E. PENNAR RIVER CANALS SYSTEM.	..	2,122	..	(R) 22,000 5,000	..	(R) 11,700 3,300	..	(R) 14,500 9,800
a. F. CHEYYAR ANICUT SYSTEM ..	..	600	..	..	..	..	..	..
a. G. LOWER COLEROON ANICUT SYSTEM..	..	8,331	..	..	..	..	..	..
a. H. CAUVERY DELTA SYSTEM ..	..	2,20,200	..	95,700	..	1,30,700	..	10,200
a. J. KATTALAI SCHEME.	..	— 20,752	..	(R) 4,00,000 12,500	..	(R) 2,20,400 10,600	..	(R) 6,15,000 500
a. K. PERIYAR SYSTEM ..	..	4,242	..	5,000	..	6,600	..	33,700
a. L. PALAR ANICUT SYSTEM ..	..	39	..	..	..	..	..	..
a. M. SHATIATOPE ANICUT SYSTEM ..	..	1,499	..	1,000	..	2,000	..	2,000
a. N. TOLUDUR PROJECT.	..	827	..	..	..	..	..	7,000
a. O. MEHMATHUR ANICUT SYSTEM ..	..	..	..	2,500	..	2,500	..	3,000
a. P. VRIDDACHALAM ANICUT SYSTEM ..	..	..	..	..	..	..	..	(R) 2,500
TOTAL—55. a.—WORKS ..	..	5,14,704	..	(R) 5,64,500 3,17,700	..	(R) 3,29,300 3,31,900	..	(R) 8,35,300 1,62,400

(R) = Remunerative Works.

55.—CONSTRUCTION OF IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—OTHER WORKS—RESERVED—*cont.*

Summary by Minor Heads and Sub-heads of appropriation—*cont.*

MINOR HEADS and SUB-HEADS OF appropriation. (ITEMS OF GRANT.) (1)	Accounts, 1930–1931. Non-voted. (2)	Accounts, 1930–1931. Voted. (3)	Budget Estimate, 1931–1932. Non-voted. (4)	Budget Estimate, 1931–1932. Voted. (5)	Revised Estimate, 1931–1932. Non-voted. (6)	Revised Estimate, 1931–1932. Voted. (7)	Budget Estimate, 1932–1933. Non-voted. (8)	Budget Estimate, 1932–1933. Voted. (9)
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
IRRIGATION WORKS—PRODUCTIVE—*cont.*								
55. b. ESTABLISHMENT—SPECIAL ESTABLISHMENT	..	161	*17,300*	29,800	*5,900*	19,500	*10,200*	31,000
55. c. *Deduct*—RECOVERIES ON CAPITAL ACCOUNT.	..	— 8,262	..	..	..	..	..	..
55. d. *Deduct*—AMOUNT FINANCED FROM ORDINARY REVENUES ..	..	*	..	— 3,17,700	..	— 3,31,900	..	—1,62,400
TOTAL—55. IRRIGATION WORKS—PRODUCTIVE—OTHER WORKS ..	..	5,06,603	*17,300*	5,94,300	*5,900*	3,48,800	*10,200*	8,66,300
	5,06,603		6,11,600		3,54,700		8,76,500	
IRRIGATION WORKS—UNPRODUCTIVE.								
55. e. WORKS—								
e. A. RUSHIKULYA SYSTEM ..	..	96,370	..	1,02,000	..	61,500	..	75,000
e. B. NAGAVALLI RIVER SYSTEM ..	..	1,039	..	2,000	..	1,000	..	5,000
e. C. BASAVANNAH CHANNEL ..	..	73,236	..	5,000	..	10,000	..	10,000
e. D. THIPPAYAPALEM PROJECT ..	..	144	..	30,100	..	1,400	..	...
e. E. MADRAS WATER-SUPPLY AND IRRIGATION SYSTEM ..	..	—1,497	..	3,000	..	1,000	..	3,000
e. F. BARUR TANK ..	..	..	..	5,000	..	..	..	...
e. G. ATMAKUR TANK ..	..	..	..	..	..	3,000	..	..
TOTAL—55. e. ..	..	1,69,292	..	1,47,100	..	77,900	...	93,000

* Separate figures are not available.

55.—CONSTRUCTION OF IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—OTHER WORKS—RESERVED—*cont.*

Summary by Minor Heads and Sub-heads of appropriation—*cont.*

MINOR HEADS and SUB-HEADS of appropriation. (ITEMS OF GRANT.) (1)	Accounts, 1930–1931. Non-voted. (2)	Accounts, 1930–1931. Voted. (3)	Budget Estimate, 1931–1932. Non-voted. (4)	Budget Estimate, 1931–1932. Voted. (5)	Revised Estimate, 1931–1932. Non-voted. (6)	Revised Estimate, 1931–1932. Voted. (7)	Budget Estimate, 1932–1933. Non-voted. (8)	Budget Estimate, 1932–1933. Voted. (9)
IRRIGATION WORKS—UNPRODUCTIVE—*cont.*	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
55. f. *Deduct*—RECOVERIES ON CAPITAL ACCOUNT	..	—3,749	..	..	..	..	..	..
55. g. *Deduct*—AMOUNT FINANCED FROM ORDINARY REVENUES	..	*	..	— 1,17,100	..	—77,900	..	— 93,000
55. h. *Deduct*—AMOUNT FINANCED FROM FAMINE RELIEF FUND	..	..	..	— 30,000	..	..	..	..
TOTAL—55. IRRIGATION WORKS—UNPRODUCTIVE—OTHER WORKS	..	1,65,543	..	..	..	..	..	..
	1,65,543		..		..		..	
TOTAL—55. IRRIGATION WORKS—OTHER WORKS ..	..	6,72,146	*17,300*	5,94,300	*5,900*	3,48,800	*10,200*	8,66,300
	6,72,146		6,11,600		3,54,700		8,76,500	
NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—UNPRODUCTIVE—								
55. j. WORKS	..	1,401	..	8,700	..	6,200	..	6,500
55. k. *Deduct*—AMOUNT FINANCED FROM ORDINARY REVENUES	..	*	..	— 8,700	..	—6,200	..	—6,500
TOTAL—55. NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—UNPRODUCTIVE—OTHER WORKS ..	..	1,401	..	..	..	..	..	..
	1,401		..		..		..	
55. l. LUMP ADDITION FOR RE-GRANT OF LAPSES.	..	..	..	50,000	..	50,000	..	50,000
55. m. LUMP DEDUCTION FOR PROBABLE SAVINGS ..	..	..	..	— 50,000	..	—50,000	..	—50,000
TOTAL—55. OTHER WORKS (INCLUDED IN DEMAND VI) ..	..	6,73,547	*17,300*	5,94,300	*5,900*	3,48,800	*10,200*	8,66,300
	† 6,73,547		6,11,600		3,54,700		8,76,500	

* Separate figures are not available. † Total of Irrigation heads " 55 " and " 16 ".

15.—IRRIGATION—OTHER REVENUE EXPENDITURE FINANCED FROM ORDINARY REVENUES—RESERVED.

(TOTAL FOR THE MAJOR HEAD.)

Particulars.	Accounts, 1930–1931.		Budget Estimate, 1931–1932.		Revised Estimate, 1931–1932.		Budget Estimate, 1932–1933.	
	Non-voted.	Voted.	Non-voted.	Voted.	Non-voted.	Voted.	Non-voted.	Voted.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
AMOUNT SHOWN UNDER DEMAND VI	*995*	45,76,362	..	47,79,100	..	46,56,100	..	40,01,000
Add—								
(1) ESTABLISHMENT AND TOOLS AND PLANT ON *pro rata* BASIS (DEMAND XXX)—								
ESTABLISHMENT ..	*2,16,922*	5,49,434	*1,66,300*	4,66,500	*1,76,700*	5,25,100	*1,64,500*	4,63,900
TOOLS AND PLANT..	..	31,349	..	22,000	..	21,700	..	20,400
(2) EXPENDITURE IN ENGLAND—OTHER THAN ON STORES (DEMAND XXXVII)	*5,308*	..	..	..	..	..	..	..
(3) LOSS OR GAIN BY EXCHANGE—OTHER THAN ON STORES (DEMAND XXXVII)..	*68*	..	..	..	..	..	..	..
GRAND TOTAL—MAJOR HEAD—15 (RESERVED).	*2,23,293*	51,57,145	*1,66,300*	52,67,600	*1,76,700*	52,02,900	*1,64,500*	44,85,300
	53,80,438		54,33,900		53,79,600		46,49,800	
DISTRIBUTION :—								
INDIA	*2,17,985*	51,57,145	*1,66,300*	52,67,600	*1,76,700*	52,02,900	*1,64,500*	44,85,300
	53,75,130		54,33,900		53,79,600		46,49,800	
ENGLAND	*5,308*	..	..	..	..	..	..	..
	5,308		..		..		..	

XIII.—IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS FOR WHICH CAPITAL ACCOUNTS ARE KEPT—WORKING EXPENSES—RESERVED.

(TOTAL FOR THE MAJOR HEAD.)

Particulars.	Accounts, 1930–1931.		Budget Estimate, 1931–1932.		Revised Estimate, 1931–1932.		Budget Estimate, 1932–1933.	
	Non-voted.	Voted.	Non-voted.	Voted.	Non-voted.	Voted.	Non-voted.	Voted.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
AMOUNT SHOWN UNDER—	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
(1) DEMAND VI—WORKS ..	*9,535*	38,08,639	*8,600*	39,40,500	*11,800*	40,56,500	*9,300*	31,35,400
(2) DEMAND XXX—								
(a) ESTABLISHMENT ..	*2,86,415*	9,34,005	*2,87,500*	8,41,600	*3,16,500*	9,57,300	*2,87,100*	8,29,100
(b) TOOLS AND PLANT.	..	38,225	..	28,600	..	29,800	..	26,200
(3) PENSION CHARGES (MAJOR HEAD 45).	*40,098*	1,31,673	*40,300*	1,18,700	*15,800*	48,200	*14,400*	41,700
TOTAL—MAJOR HEAD XIII—INDIA (RESERVED)	*3,36,048*	49,12,542	*3,36,400*	49,29,400	*3,44,100*	50,91,800	*3,10,800*	40,32,400
	52,48,590		52,65,800		54,35,900		43,43,200	

16. CONSTRUCTION OF IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—RESERVED.

(TOTAL FOR THE MAJOR HEAD.)

Particulars.	Accounts, 1930–1931.		Budget Estimate, 1931–1932.		Revised Estimate, 1931–1932.		Budget Estimate, 1932–1933.	
	Non-voted.	Voted.	Non-voted.	Voted.	Non-voted.	Voted.	Non-voted.	Voted.
I. FINANCED FROM ORDINARY REVENUES.								
AMOUNT SHOWN UNDER—								
(1) DEMAND VI—WORKS ..			..	4,43,500	..	4,16,000	..	2,61,900
(2) DEMAND XXX—								
(a) ESTABLISHMENT ..			*24,300*	68,200	*24,800*	73,800	*17,600*	49,600
(b) TOOLS AND PLANT..			..	3,300	..	3,100	..	2,200
(3) PENSION CHARGES (MAJOR HEAD 45).			*3,400*	9,500	*1,200*	3,700	*900*	2,500
TOTAL I—FINANCED FROM ORDINARY REVENUES ..	*39,410*	7,21,485	*27,700*	5,24,500	*26,000*	4,96,600	*18,500*	3,16,200
	7,60,895		5,52,200		5,22,600		3,34,700	
II. FINANCED FROM FAMINE RELIEF FUND.								
(4) DEMAND VI—WORKS ..			..	30,000				
(5) DEMAND XXX—								
(a) ESTABLISHMENT ..			*1,600*	4,400				
(b) TOOLS AND PLANT			..	200				
(6) PENSION CHARGES (MAJOR HEAD 45) ..			*200*	600				
TOTAL II—FINANCED FROM FAMINE RELIEF FUND ..	..	..	*1,800*	35,200	..	..	..	..
	..		37,000		..		..	
TOTAL—MAJOR HEAD 16—INDIA (RESERVED) ..	*39,410*	7,21,485	*29,500*	5,59,700	*26,000*	4,96,600	*18,500*	3,16,200
	7,60,895		5,89,200		5,22,600		3,34,700	

55. CONSTRUCTION OF IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—OTHER WORKS—RESERVED.

(TOTAL FOR THE MAJOR HEAD.)

Particulars.	Accounts, 1930–1931.		Budget Estimate, 1931–1932.		Revised Estimate, 1931–1932.		Budget Estimate, 1932–1933.	
	Non-voted	Voted.	Non-voted.	Voted.	Non-voted.	Voted.	Non-voted.	Voted.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
AMOUNT SHOWN UNDER DEMAND VI			*17,300*	5,94,300	*5,900*	3,48,800	*10,200*	8,66,300
Add—								
(1) ESTABLISHMENT AND TOOLS AND PLANT (DEMAND XXX)—								
(*a*) ESTABLISHMENT.			*9,000*	25,300	*6,500*	19,300	*14,800*	41,700
(*b*) TOOLS AND PLANT ..			..	1,200	..	800	..	1,800
(3) PENSION CHARGES (MAJOR HEAD 45) ..			*3,700*	7,700	*600*	2,000	*1,300*	3,600
(4) EXPENDITURE IN ENGLAND—OTHER THAN ON STORES (DEMAND XXXVII)	..	..	*4,800*	..	*1,200*	..	..	..
TOTAL—55. OTHER WORKS ..	*5,079*	78,604	*34,800*	6,28,500	*14,200*	3,70,900	*26,300*	9,13,400
	83,683		6,63,300		3,85,100		9,39,700	
(5) CAUVERY-METTUR PROJECT (DEMAND VII)—								
(*a*) INDIA	*2,34,282*	86,52,952	*2,24,000*	80,99,300	*1,78,800*	1,01,27,900	*1,49,400*	75,72,100
(*b*) ENGLAND ..	*39,405*	3,45,028	*25,400*	1,33,000	*29,800*	1,02,600	*21,800*	41,000
TOTAL—55. CAUVERY-METTUR PROJECT	*2,73,687*	89,97,980	*2,49,400*	82,32,300	*2,08,600*	1,02,30,500	*1,71,200*	76,13,100
	92,71,667		84,81,700		1,04,39,100		77,84,300	
TOTAL—MAJOR HEAD 55. (RESERVED)	*2,78,766*	90,76,584	*2,84,200*	88,60,800	*2,22,800*	1,06,01,400	*1,97,500*	85,26,500
	93,55,350		91,45,000		1,08,24,200		87,24,000	
DISTRIBUTION—								
INDIA	*2,39,361*	87,31,556	*2,54,000*	87,27,800	*1,91,800*	1,04,98,800	*1,75,700*	84,85,500
	89,70,917		89,81,800		1,06,90,600		86,61,200	
ENGLAND	*39,405*	3,45,028	*30,200*	1,33,000	*31,000*	1,02,600	*21,800*	41,000
	3,84,433		1,63,200		1,33,600		62,800	

15. IRRIGATION—OTHER REVENUE EXPENDITURE FINANCED FROM ORDINARY REVENUES—MINOR IRRIGATION—RESERVED.

c. Establishment.

Sub-heads of Appropriation. (1)	Strength. 1931–1932. (2)	Strength. 1932–1933. (3)	Details. (4)	Accounts, 1930–1931. (5)	Budget Estimate, 1931–1932. (6)	Revised Estimate, 1931–1932. (7)	Budget Estimate, 1932–1933. (8)
				RS.	RS.	RS.	RS.
c. A. Pay of Establishments.			Voted—				
			Permanent	1,66,535	1,61,000	1,64,800	1,65,000
	136	136	Supervisors 12 (150—5—200—10—220); Overseers 124 (50—2½—100) ..				
	18	18	Clerk-draughtsmen 16 (35—60); Maistris 2 (30)				
	137	137	Lascars (12—18)				
			Leave allowance				
			Deduct—Savings due to 10°/。 cut.	..	..	— 3,400	— 13,800
			Temporary	32,641	37,000	29,400	25,800
			Deduct—Savings due to 10°/。 cut.	..	..	— 300	— 1,300
			Total—c. A. Voted ..	1,99,176	1,98,000	1,90,500	1,75,700
c. B. Other Charges.			Voted—				
			Travelling Allowances ..	4,011	3,600	3,000	2,500
			Fixed Travelling Allowances ..	56,261	60,200	51,400	47,300
			Contingencies	4,414	5,000	4,000	2,500
			Total—c. B. Voted ..	64,686	68,800	58,400	52,300
Grand Total—15. c. Irrigation Works—Minor Irrigation—Establishment—Voted				2,63,862	2,66,800	2,48,900	2,28,000

15. IRRIGATION—OTHER REVENUE EXPENDITURE FINANCED FROM ORDINARY REVENUES—IRRIGATION WORKS—WORKS FOR WHICH NEITHER CAPITAL NOR REVENUE ACCOUNTS ARE KEPT—RESERVED.

PUBLIC WORKS DEPARTMENT—f. WORKS.

SUB-HEADS of appropriation. (1)	Detailed account heads. [The provision for each major work and the lump sum provision for minor works should be treated as specific appropriations.] (2)	Figures by detailed account heads. Amount of estimate. (3)	Accounts to end of 1930–1931. (4)	Budget Estimate, 1931–1932. (5)	Revised Estimate, 1931–1932. (6)	Budget Estimate, 1932–1933. (7)
		RS.	RS.	RS.	RS.	RS.
15. f. WORKS.	MAJOR WORKS.					
	1. *Ganjam.*—Excavating a leading channel on the right side of Koratholi Tampara—G.O. No. 2760 I., dated 3rd November 1928 ..	27,000	6,420	6,000	10,800	9,200
	2. *Narasapatam.*—Excavating an off-take at Jumpapalem for Kokkinapalli-Yellamanchili joint channel—C.E.I.'s Nos. 90/27 C.E.P., dated 31st January 1927 and 1451/28 C.E.P., dated 9th August 1928	§ 16,501	6,295	2,000	1,400	..
	3. *Narasapatam.*—Excavating an irrigation syphon for Duggada channel between 3/7 to 4/6 at its junction with Palamgadda—C.E.I's. No. 1638/30 C.E.P., dated 29th January 1931 and G.O. No. 1031 I., dated 15th April 1931	16,000	1,307	..	12,800	1,900
	4. *Godavari Northern.*—Restoration of the Bangarappa tank of Gopalapuram, Polavaram division—G.O. No. 958 I., dated 22nd March 1930	71,800	6,039	9,000	34,300	31,500
	5. *Guntur.*—Restoring the Jammicheruvu of Makkinavarigudem—G.Os. No. 204 I., dated 21st July 1923, and No. 566 I., dated 28th October 1925 ..	57,000	53,063	..	..	4,000
	6. *Salem.*—Restoration of the Gudumalai tank and excavation of a supply channel—G.O. No. 1019 I., dated 25th March 1929 ..	* 37,700	..	4,000	..	9,000
	7. *South Arcot.*—Constructing a new calingula in the Velur Pudupakam tank—C.E.I.'s No. 4126 B. E. P., dated 21st June 1927 ..	11,500 11,900	999	2,000	9,000	1,800
	8. *South Arcot.*—Constructing an anicut across the Gadilam River—C.E.I.'s No. 2160/30 B.E.P., dated 24th July 1930	† 23,900	..	2,500	..	..
	9. *South Arcot.*—Constructing an outlet and diverting the course of the Komaracoil Odai—C.E.I.'s No. 3087/28 B.E.P., dated 15th March 1930	18,400 16,810	..	10,000	10,000	6,800
	10. *Trichinopoly.*—Improvements to the Musiri Nattu voikal—G.O. No. 358 I., dated 21st October 1924	43,000	26,386	2,000	2,400	4,000
	11. *Trichinopoly.*—Improvements to the Thottiam Chinna voikal—G.O. No. 300 I., dated 7th October 1922 ..	29,000	24,086	..	200	..
	12. *Trichinopoly.*—Resluicing the Pugalur channel—G.Os. No. 121 I., dated 30th March 1930, and No. 1215 I., dated 14th April 1930..	27,700	15,883	..	..	10,000
	13. *Trichinopoly.*—Restoring the Neiveli anicut and channel and improving Neiveli, Sitambur and Komangalam tanks—G.O. No. 770 I., dated 17th March 1931	38,000		10,000	..	..

Government share ..	Rs. 16,510	Rs. 7,675	Rs. 23,600
Ryots' share	„ 7,390	„ 8,826	(Vizianagram Estate). „ 14,100
Total ..	„ † 23,900	„ § 16,501	„ * 37,700

15. IRRIGATION—OTHER REVENUE EXPENDITURE FINANCED FROM ORDINARY REVENUES—IRRIGATION WORKS—WORKS FOR WHICH NEITHER CAPITAL NOR REVENUE ACCOUNTS ARE KEPT—RESERVED—*cont.*

PUBLIC WORKS DEPARTMENT—f. WORKS—*cont.*

Sub-heads of appropriation. (1)	Detailed account heads. [The provision for each major work and the lump sum provision for minor works should be treated as specific appropriations.] (2)	Figures by detailed account heads. Amount of estimate. (3)	Accounts to end of 1930–1931. (4)	Budget Estimate, 1931–1932. (5)	Revised Estimate, 1931–1932. (6)	Budget Estimate, 1932–1933. (7)
		RS.	RS.	RS.	RS.	RS.
15. f. Works.	Major Works—*cont.*					
	15. *Trichinopoly.*—Excavating the Puduvaithalai High Level channel for the irrigation of sanded areas of the Murungapettai block—G.O. No. 771 I., dated 17th March 1931.	73,000		2,500		
	Total—Major Works ..			50,000	80,900	78,200
	Minor Works.					
	Public Works Department works and Revenue Department works in charge of Public Works Department		25,971	25,000	31,000	20,000
GRAND TOTAL—15. f. IRRIGATION WORKS—PUBLIC WORKS DEPARTMENT—WORKS—VOTED ..				75,000	1,11,900	98,200

g. Extensions and Improvements.

Sub-heads of appropriation. (1)	Detailed account heads. [The provision for each detailed account head should be treated as a specific appropriation.] (2)	Figures by detailed account heads. Accounts, 1930–1931. (3)	Budget Estimate, 1931–1932. (4)	Revised Estimate, 1931–1932. (5)	Budget Estimate, 1932–1933. (6)
Extensions and Improvements.	Public Works Department Works	RS. 1,85,274	RS. 1,20,400	RS. 1,13,900	RS. 72,200
	Revenue Department Works in charge of Public Works Department	10,379	2,000	2,700	2,000
	Old Maintenance charges		42,000	42,000	42,000
GRAND TOTAL—15. g. IRRIGATION WORKS—PUBLIC WORKS DEPARTMENT—EXTENSIONS AND IMPROVEMENTS—VOTED ..		1,95,653	1,64,400	1,58,600	1,16,200

h. Maintenance and Repairs.

Sub-heads of appropriation. (1)	Detailed account heads. [The provision for each detailed account head should be treated as a specific appropriation.] (2)	Figures by detailed account heads. Accounts, 1930–1931. (3)	Budget Estimate, 1931–1932. (4)	Revised Estimate, 1931–1932. (5)	Budget Estimate, 1932–1933. (6)
Maintenance and Repairs.	Public Works Department works	RS. 12,40,688 ‡ 55	RS. 14,27,000	RS. 12,92,900	RS. 10,66,000
	Tank Restoration Scheme repairs	2,50,373	2,75,000	3,00,000	2,00,000
	Revenue Department works in charge of Public Works Department	8,985	2,200	1,500	5,000
	Old Maintenance charges		2,08,000	2,08,000	2,08,000
GRAND TOTAL—15. h. IRRIGATION WORKS—PUBLIC WORKS DEPARTMENT—MAINTENANCE AND REPAIRS—VOTED ..		15,00,046 ‡ 55	19,12,200	18,02,400	14,79,000

‡ Non-voted.

15. IRRIGATION—OTHER REVENUE EXPENDITURE FINANCED FROM ORDINARY REVENUES—IRRIGATION WORKS—MISCELLANEOUS EXPENDITURE—RESERVED.

PUBLIC WORKS DEPARTMENT.

1. ESTABLISHMENT.

Sub-heads of appropriation. (1)	Strength. 1931-1932. (2)	Strength. 1932-1933. (3)	Details. (4)	Figures by detailed heads. Accounts, 1930-1931. (5)	Budget Estimate, 1931-1932. (6)	Revised Estimate, 1931-1932. (7)	Budget Estimate, 1932-1933. (8)
				RS.	RS.	RS.	RS.
1. A. PAY OF OFFICERS AND ESTABLISHMENTS.			TOTAL—1. A. .. *Non-voted.*	*510*	..	..	..
			TOTAL—1. A. .. VOTED ..	5,069	2,000	2,400	..
1. B. OTHER CHARGES.			VOTED—				
			TRAVELLING ALLOWANCES ..	1,269 *128* *	200	300	..
			CONTINGENCIES	432	1,000	500	..
			SUPERVISION CHARGES AT 5 PER CENT	330 *301* *	200	200	..
			TOTAL—1. C. .. *Non-voted.*	*429*	..	..	..
			TOTAL—1. C. .. VOTED ..	2,031	1,400	1,000	..
GRAND TOTAL—15. 1. IRRIGATION WORKS—MISCELLANEOUS EXPENDITURE—PUBLIC WORKS DEPARTMENT—ESTABLISHMENT				8,039	3,400	3,400	..
			Non-voted ..	*939*	..	..	..
			VOTED ..	7,100	3,400	3,400	..

* Non-voted.

15. IRRIGATION—OTHER REVENUE EXPENDITURE FINANCED FROM ORDINARY REVENUES—IRRIGATION WORKS—MISCELLANEOUS EXPENDITURE—RESERVED—*cont.*

PUBLIC WORKS DEPARTMENT—*cont.*

n. OTHER CHARGES.

Sub-heads of appropriation. (1)	Details. (2)	Figures by detailed account heads. Accounts, 1930–1931. (3)	Budget Estimate, 1931–1932. (4)	Revised Estimate, 1931–1932. (5)	Budget Estimate, 1932–1933. (6)
		RS.	RS.	RS.	RS.
15. n. OTHER CHARGES.	VOTED—				
	OTHER PROJECTS	† 8,718	2,000	1,700	1,700
GRAND TOTAL—15. n. IRRIGATION WORKS—MISCELLANEOUS EXPENDITURE—PUBLIC WORKS DEPARTMENT—OTHER CHARGES—VOTED		8,718	2,000	1,700	1,700

15. IRRIGATION—OTHER REVENUE EXPENDITURE FINANCED FROM ORDINARY REVENUES—NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—WORKS FOR WHICH NEITHER CAPITAL NOR REVENUE ACCOUNTS ARE KEPT.

p. WORKS.

Sub-heads of appropriation. (1)	Detailed account heads. [The provision for each major work and the lump sum provision for minor works should be treated as specific appropriations.] (2)	Figures by detailed account heads. Amount of estimate. (3)	Accounts to end of 1930–1931. (4)	Budget Estimate, 1931–1932. (5)	Revised Estimate, 1931–1932. (6)	Budget Estimate, 1932–1933. (7)
	MAJOR WORKS.	RS.	RS.	RS.	RS.	RS.
15. p. WORKS..	*West Coast Division.*—Improvements to the Elathur-Kallai Canal—G.O. No. 97 I., dated 17th February 1926 ..	35,000	28,890	8,300	300	..
	TOTAL—MAJOR WORKS ..			8,300	300	..
	MINOR WORKS ..			16,200	22,800	600
GRAND TOTAL—15. p. NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—WORKS—VOTED				24,500	23,100	600

† Includes Rs. 1,372 relating to Tungabhadra Project.

XIII.—IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS FOR WHICH CAPITAL ACCOUNTS ARE KEPT—WORKING EXPENSES—IRRIGATION WORKS—PRODUCTIVE WORKS—RESERVED.

a. Extensions and Improvements.

Sub-heads of appropriation. (1)	Detailed account heads. (2)	Figures by detailed account heads. Accounts, 1930–1931. (3)	Budget Estimate, 1931–1932. (4)	Revised Estimate, 1931–1932. (5)	Budget Estimate, 1932–1933. (6)
		RS.	RS.	RS.	RS.
	Extensions and Improvements.				
XIII. a. Extensions and Improvements.	1. Ganjam Minor Rivers systems ..	1,703	7,000	2,200	1,000
	2. Godavari Delta system	96,195	1,67,800	2,06,100	18,800
	3. Kistna Delta system	30,657	26,000	1,78,000	20,000
	4. Divi Pumping system	8,495	1,500	1,500	1,300
	5. Pennar River Canals system ..	11,129	6,000	13,800	6,900
	6. Cumbum tank	140	..	..	..
	7. Chembrambakkam tank	472	..	..	..
	8. Palar Anicut system †	2,083	2,000	..	..
	9. Poiney Anicut system	739	1,000	100	300
	10. Cheyyar Anicut system	2,655	3,500	800	3,200
	11. Thadapalli channel	652	..	50	..
	12. Arkenkota channel	84	..	100	..
	13. Kalingarayan channel	58	..	..	..
	14. Tirukkoyilur Anicut system	2,522	2,500	1,100	600
	15. Shatiatope Anicut system	..	435	435	..
	16. Mehmathur Anicut system	..	100	100	..
	17. Vriddhachalam Anicut system ..	2,191	2,400	..	300
	18. Pelandorai Anicut system †	3,180	2,000	..	..
	19. Toludur Project	422	1,500	500	..
	20. Lower Coleroon Anicut system ..	52,347	28,000	17,440	1,435
	21. Cauvery Delta system	1,44,758	1,38,400	1,27,760	1,02,350
	22. Nandiyar Channel system	3,853	1,500	500	..
	23. Periyar system	52,237	32,200	16,700	— 1,200
	24. Srivaikuntam Anicut system	8,866	35,000	17,000	23,500
	25. Marudur Anicut system	5,737	2,000	1,500	..
	26. Kattalai scheme	3,962	2,000	8,750	2,450
	Total ..	4,35,137	4,62,835	5,94,435	1,80,935
	Deduct—Old Maintenance Charges.*	— 34,435	— 34,435	— 34,435	— 34,435
Grand Total—XIII. a. Irrigation Works—Productive Works—Extensions and Improvements—Voted		4,00,702	4,28,400	5,60,000	1,46,500

* Old maintenance charges have been fixed permanently for each system as under :—

	RS.
Ganjam Minor Rivers system	1,529
Divi Pumping system	49
Pennar River Canals system	3,909
Chembrambakkam tank	2,283
Palar Anicut system	178
Poiney Anicut system	3,057
Cheyyar Anicut system	2,566
Thadapalli channel	3,569
Arkenkota channel	793
Kalingarayan channel	3,992
Tirukkoyilur Anicut system	1,972
Shatiatope Anicut system	64
Mehmathur Anicut system	126
Pelandorai Anicut system	59
Lower Coleroon Anicut system	2,427
Nandiyar Channel system	2,836
Periyar system	4,474
Srivaikuntam Anicut system	352
Marudur Anicut system	200
Total ..	34,435

† Transferred to unproductive class in G.O. No. 1589 I., dated 16th June 1931.

XIII.—IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS FOR WHICH CAPITAL ACCOUNTS ARE KEPT—WORKING EXPENSES—IRRIGATION WORKS—PRODUCTIVE WORKS—RESERVED—*cont.*

b. Maintenance and Repairs.

Sub-heads of appropriation. (1)	Detailed account heads. (2)	Figures by detailed account heads. Accounts, 1930–1931. (3)	Budget Estimate, 1931–1932. (4)	Revised Estimate, 1931–1932. (5)	Budget Estimate, 1932–1933. (6)
XIII. b. Maintenance and Repairs.	Maintenance and Repairs.	RS.	RS.	RS.	RS.
	1. Ganjam Minor Rivers system ..	71,950	43,500	60,200	46,000
	2. Godavari Delta system	8,23,627	7,00,000	7,25,550	6,81,050
	3. Kistna Delta system	6,71,856	7,42,400	5,83,400	5,71,600
	4. Divi Pumping system	1,11,842	1,05,000	1,05,000	1,05,000
	5. Pennar River Canals system	83,982	1,00,100	85,500	90,100
	6. Cumbum tank	2,188	3,000	3,000	2,000
	7. Chembrambakkam tank	13,533	10,500	15,250	8,050
	8. Palar Anicut system ‡	56,306	2,12,000	..	..
	9. Poiney Anicut system	12,795	63,000	46,000	30,100
	10. Cheyyar Anicut system	35,019	1,12,000	1,65,000	1,15,000
	11. Thadapalli channel	20,010	30,100	29,800	22,000
	12. Arkenkota channel	4,842	6,000	7,700	5,200
	13. Kalingarayan channel	14,584	18,000	16,000	12,500
	14. Tirukkoyilur Anicut system	18,492	30,000	33,500	23,000
	15. Shatiatope Anicut system	16,635	16,000	16,000	19,000
	16. Mehmathur Anicut system	3,793	3,002	3,002	3,002
	17. Vriddhachalam Anicut system ..	6,395	6,200	5,200	5,200
	18. Pelandorai Anicut system ‡	13,313	12,500	..	..
	19. Toludur Project	34,839	26,000	34,000	32,000
	20. Lower Coleroon Anicut system ..	1,16,371	1,25,000	93,000	94,300
	21. Cauvery Delta system	6,26,064	4,90,000	4,56,000	4,29,100
	22. Nandyar Channel system	5,353	5,000	7,300	2,000
	23. Periyar system	1,61,343	1,50,000	1,40,400	1,24,500
	24. Srivaikuntam Anicut system	45,069	50,000	61,500	1,25,000
	25. Marudur Anicut system	26,461	30,000	33,300	50,000
	26. Kattalai scheme	54,212	75,000	1,84,100	36,000
	27. Polavaram Island Project	4,481	10,000	10,000	10,000
	28. Vadavar System	..	..	..	4,000
	Total ..	30,55,355	31,74,302	29,19,702	26,45,702
	Deduct—Old Maintenance Charges.*	—1,95,702	—1,95,702	—1,95,702	—1,95,702
GRAND TOTAL—XIII. b. IRRIGATION WORKS—PRODUCTIVE WORKS—MAINTENANCE AND REPAIRS ..		28,59,653	29,78,600	27,24,000	24,50,000
	Non-voted † ..	*8,254*	*7,600*	*7,900*	*7,900*
	Voted ..	28,51,399	29,71,000	27,16,100	24,42,100

* Old maintenance charges have been fixed permanently for each system as under :—

System	RS.
Ganjam Minor Rivers system	3,126
Divi Pumping system	12,131
Pennar River Canals system	25,744
Cumbum tank	793
Chembrambakkam tank	3,097
Palar Anicut system	2,909
Poiney Anicut system	66
Cheyyar Anicut system	640
Arkenkota channel	100
Tirukkoyilur Anicut system	2,960
Shatiatope Anicut system	1,580
Mehmathur Anicut system	510
Pelandorai Anicut system	58
Lower Coleroon Anicut system	4,853
Cauvery Delta system	1,05,634
Nandyar Channel system	371
Periyar system	21,422
Srivaikuntam Anicut system	5,208
Marudur Anicut system	4,500
Total ..	1,95,702

† Rates and taxes relating to the Kistna Delta system.
‡ Transferred to unproductive class in G.O. No. 1589 I., dated 16th June 1931.

XIII.—IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS FOR WHICH CAPITAL ACCOUNTS ARE KEPT—WORKING EXPENSES—IRRIGATION WORKS—PRODUCTIVE WORKS—RESERVED—*cont.*

c. Establishment.

Sub-heads of appropriation. (1)	Strength. 1931–1932. (2)	Strength. 1932–1933. (3)	Details. (4)	Accounts, 1930–1931. (5)	Budget Estimate, 1931–1932. (6)	Revised Estimate, 1931–1932. (7)	Budget Estimate, 1932–1933. (8)
				RS.	RS.	RS.	RS.
c. A. Special Establishment.	2	2	Special Establishment—Voted .. Superintendent, Divi pumping station 1 (250—750); Driver for shutter-lifting machines, Kistna anicut 1 (50—70)	6,519	6,200	6,100	6,300
			Deduct—Savings due to 10 °/ₒ cut.	..	..	— 200	— 600
			Grand Total—XIII. c. A. Special Establishment—Voted ..	6,519	6,200	5,900	5,700

XIII.—IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS FOR WHICH CAPITAL ACCOUNTS ARE KEPT—WORKING EXPENSES—IRRIGATION WORKS—UNPRODUCTIVE WORKS—RESERVED.

e.—Extensions and Improvements.

Sub-heads of appropriation. (1)	Detailed account heads. (2)	Accounts, 1930–1931. (3)	Budget Estimate, 1931–1932. (4)	Revised Estimate, 1931–1932. (5)	Budget Estimate, 1932–1933. (6)
XIII. e. Extensions and Improvements.	Extensions and Improvements.	RS.	RS.	RS.	RS.
	1. Rushikulya system	25,282	28,000	48,600	6,000
	2. Nagavalli river system	2,175	122	622	..
	3. Atmakur tank	..	..	..	..
	4. Bavanasi tank	479	..	..	..
	5. Hajipuram tank	798	..	..	..
	6. Mopad reservoir	562	3,000	200	522
	7. Yerur tank	..	1,500	..	1,000
	8. Markapur tank	..	..	..	500
	9. Sagileru system	266	400	..	..
	10. Kurnool-Cuddapah canal	4,744	8,000	5,800	4,000
	11. Madras Water-supply and Irrigation system	544	20,000	13,500	11,500
	12. Barur tank	..	1,500	..	..
	13. Kanniyampalayam anicut	..	..	..	..
	14. Panjapatti reservoir	735	..	..	..
	15. Ponnalur tank	..	..	5,000	1,500
	16. Palar Anicut system †	..	..	1,000	4,000
	17. Pelandorai anicut system †	..	..	300	..
	18. Basavannah Channel	..	..	2,000	..
	19. Muniyeru system	6	..	500	..
	Total ..	35,591	62,522	77,522	29,022
	Deduct—Old Maintenance Charges*.	— 7,522	— 7,522	— 7,522	— 7,522
	GRAND TOTAL—XIII. e. IRRIGATION WORKS—UNPRODUCTIVE WORKS—EXTENSIONS AND IMPROVEMENTS—VOTED	28,069	55,000	70,000	21,500

* Old maintenance charges have been fixed permanently for each system as under:—

	RS.
Rushikulya system	1,475
Nagavalli river system	1,432
Anamasamudram-Beraperu tank ..	28
Markapur tank	29
Sagileru system	500
Kurnool-Cuddapah canal	232
Madras Water-supply and Irrigation system ..	3,600
Vallur anicut system	226
Total ..	7,522

† Transferred to unproductive class in G.O. No. 1589 I., dated 16th June 1931.

XIII.—IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS FOR WHICH CAPITAL ACCOUNTS ARE KEPT—WORKING EXPENSES—IRRIGATION WORKS—UNPRODUCTIVE WORKS—RESERVED—*cont.*

f. MAINTENANCE AND REPAIRS.

Sub-heads of appropriation. (1)	Detailed account heads. (2)	Figures by detailed account heads. Accounts, 1930–1931. (3)	Budget Estimate, 1931–1932. (4)	Revised Estimate, 1931–1932. (5)	Budget Estimate, 1932–1933. (6)
		RS.	RS.	RS.	RS.
XIII. f. MAINTENANCE AND REPAIRS.	MAINTENANCE AND REPAIRS.				
	1. RUSHIKULYA SYSTEM	1,04,034	92,000	1,00,000	92,200
	2. NAGAVALLI RIVER SYSTEM	15,676	16,000	13,000	15,400
	3. MUNIYERU SYSTEM	7,372	8,000	8,000	6,500
	4. ATMAKUR TANK	..	..	..	..
	5. DONDAPAD TANK	..	..	..	..
	6. BHAVANASI TANK	1,219	1,500	900	2,600
	7. ANAMASAMUDRAM-BERAPERU TANK ..	..	..	..	..
	8. PONNALUR TANK	1,201	1,000	5,000	1,200
	9. HAJIPURAM TANK	505	500	500	400
	10. MOPAD RESERVOIR	10,037	9,000	9,000	7,500
	11. YERUR TANK	243	500	500	260
	12. MARKAPUR TANK	1,694	2,760	3,060	3,000
	13. SIDDAPUR TANK	660	500	500	1,000
	14. VENKATAPURAM TANK	316	300	300	300
	15. KOCHERUVU TANK	175	200	200	200
	16. SAGILERU SYSTEM	6,011	9,000	7,600	6,100
	17. KURNOOL-CUDDAPAH CANAL	1,01,746	93,000	90,300	85,300
	18. YELLANUR TANK SYSTEM	200	1,000	800	1,000
	19. MADRAS WATER-SUPPLY AND IRRIGATION SYSTEM	16,566	18,000	16,000	14,500
	20. VALLUR ANICUT SYSTEM	1,700	1,350	1,350	1,350
	21. BARUR TANK	7,379	6,000	5,000	5,800
	22. KANNIYAMPALAYAM ANICUT	4,995	18,300	8,900	2,500
	23. PANJAPATTI RESERVOIR	396	726	426	526
	24. PALAR ANICUT SYSTEM †	..	..	2,40,500	96,000
	25. PELANDORAI ANICUT SYSTEM †	..	..	11,800	12,500
	26. JANGAMAHESWARAPURAM TANK	..	..	..	1,900
	TOTAL ..	2,82,125	2,79,636	5,23,636	3,58,036
	Deduct—OLD MAINTENANCE CHARGES *.	— 12,336	— 12,336	— 12,336	— 12,336
GRAND TOTAL—XIII. f. IRRIGATION WORKS—UNPRODUCTIVE WORKS—MAINTENANCE AND REPAIRS ..		2,69,789	2,67,300	5,11,300	3,45,700
	Non-voted ..	*263*	..	*400*	*400*
	VOTED ..	2,69,526	2,67,300	5,10,900	3,45,300

* Old maintenance charges have been fixed permanently for each system as under :—

	RS.		RS.
Rushikulya system	4,108	Kurnool-Cuddapah canal	2,757
Nagavalli river system	1,462	Madras Water-supply and Irrigation system ..	200
Muniyeru river system	222	Vallur anicut system	1,077
Anamasamudram-Beraperu tank ..	612		
Markapur tank	213	Total ..	12,336
Sagileru system	1,685		

† Transferred to unproductive class in G.O. No. 1589 I., dated 16th June 1931.

XIII.—IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS FOR WHICH CAPITAL ACCOUNTS ARE KEPT—WORKING EXPENSES— NAVIGATION, EMBANKMENT AND DRAINAGE WORKS— UNPRODUCTIVE WORKS—RESERVED.

Sub-heads of appropriation. (1)	Details. (2)	Figures by detailed account heads. Accounts, 1930–1931. (3)	Budget Estimate, 1931–1932. (4)	Revised Estimate, 1931–1932. (5)	Budget Estimate, 1932–1933. (6)
		RS.	RS.	RS.	RS.
j. Extensions and Improvements.	1. Buckingham Canal	3,947	5,000	3,700	400
	2. Vedaranniyam Canal		7,000	7,900	
	TOTAL—XIII. j. EXTENSIONS AND IMPROVEMENTS—VOTED.	3,947	12,000	11,600	400
k. Maintenance and Repairs.	1. Ganjam-Gopalpur Canal	120	..	..	..
	2. Buckingham Canal	*1,018* / 2,47,261	*1,000* / 1,95,000	*3,500* / 1,77,000	*1,000* / 1,68,300
	3. Vedaranniyam Canal	1,096	5,600	5,000	5,600
	TOTAL—XIII. k. MAINTENANCE AND REPAIRS — *Non-voted* ..	*1,018*	*1,000*	*3,500*	*1,000*
	Voted ..	2,48,477	2,00,600	1,82,000	1,73,900

XIII.—IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS FOR WHICH CAPITAL ACCOUNTS ARE KEPT—WORKING EXPENSES—RESERVED.

Establishment.

Establishment.	Charges for distribution of water. — *Non-voted* ..	..	*71,300*	*74,100*	*76,200*
	Voted ..	2,55,954	2,35,000	2,36,500	2,34,400
	Establishment on pro rata basis. — *Non-voted* ..	*2,86,415*	*2,16,200*	*2,42,400*	*2,10,900*
	Voted ..	6,78,051	6,06,600	7,20,800	5,94,700
GRAND TOTAL—XIII. ESTABLISHMENT.		12,20,420	11,29,100	12,73,800	11,16,200
	Non-voted ..	*2,86,415*	*2,87,500*	*3,16,500*	*2,87,100*
	Voted ..	9,34,005	8,41,600	9,57,300	8,29,100

55. CONSTRUCTION OF IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—IRRIGATION WORKS—OTHER WORKS—PRODUCTIVE—RESERVED.

a. WORKS.

SUB-HEADS of appropriation. (1)	Detailed account heads. [The provision for each major work and the lump sum provision for minor works should be treated as specific appropriations.] (2)	Figures by detailed account heads. Amount of estimate. (3)	Accounts to end of 1930–1931. (4)	Budget Estimate, 1931–1932. (5)	Revised Estimate, 1931–1932. (6)	Budget Estimate, 1932–1933. (7)
		RS.	RS.	RS.	RS.	RS.
a. A. GODAVARI DELTA SYSTEM.	1. *Godavari Eastern.*—Reconstruction of the bridge on the Bank canal near Kotipalli on the Kotipalli-Cocanada road—G.Os. No. 444 I., dated 13th February 1928 and No. 259 I., dated 28th January 1930 (XIII—Rs. 2,000).	24,700	9,415	15,000	17,000	..
	R 2. *Godavari Eastern.*—Remodelling the Tekiside channel—G.O. No. 344 I., dated 4th February 1928.	13,200	11,310	..	**R 800**	..
	3. *Godavari Eastern.*—Construction of an aqueduct at 310 feet of the Cocanada irrigation channel—G.O. No. 587 I., dated 4th March 1931.	12,900	266	5,000	..	..
	4. *Godavari Head Works.*—Improvements to the Vijjeswaram head sluice—G.Os. No. 1049 I., dated 27th March 1929 and G.O. No. 2986 I., dated 30th November 1931.	1,56,000	99,136	40,000	60,000	..
(N)	R 5. *Godavari Head Works.*—Providing machinery for lifting the shutters of the Godavari anicut.	1,16,500	..	..	..	**R 1,00,000**
	6. *Godavari Western.*—Constructing a surplus weir at 35 miles 465 feet on the right bank of the Gostanadi and Velpur canal—G.O. No. 343 I., dated 4th February 1928.	10,800	8,988	300	300	..
	7. *Godavari Western.*—Remodelling the Rameswaram channel, branch of the Attili canal—G.O. No. 1584 I., dated 26th June 1928.	13,060	3,393	3,000	2,200	2,700
	R 8. *Godavari Western.*—Pothanur project—G.O. No. 345 I., dated 4th February 1928.	43,752	23,132	**R 20,000**	**R 9,100**	**R 4,000**
	R 9. *Godavari Western.*—Remodelling the Agadallanka channel—G.O. No. 292 I., dated 1st February 1928, and C.R. No. 8 of 1927–1928.	17,411	13,268	..	**R 1,200**	..
	10. *Godavari Western.*—Remodelling the Veeravasaram West side channel—G.O. No. 231 I., dated 28th January 1928.	20,600	12,208	1,500	7,100	..
	11. *Godavari Western.*—Remodelling the Peravali West side channel and branches—G.O. No. 944 I., dated 22nd March 1930.	11,000	2,634	6,000	3,600	3,500
	12. *Godavari Western.*—Remodelling the Skinnerpuram channel, branch of Relangi channel, Attili canal—G.O. No. 948 I., dated 22nd March 1930.	11,150	3,185	3,000	2,100	3,900

R = Remunerative Works. (N) = New Work.

55. CONSTRUCTION OF IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—IRRIGATION WORKS—OTHER WORKS—PRODUCTIVE—RESERVED—*cont.*

a. WORKS—*cont.*

Sub-heads of appropriation. (1)	Detailed account heads. [The provision for each major work and the lump sum provision for minor works should be treated as specific appropriations.] (2)	Figures by detailed account heads. Amount of estimate. (3)	Accounts to end of 1930–1931. (4)	Budget Estimate, 1931–1932. (5)	Revised Estimate, 1931–1932. (6)	Budget Estimate, 1932–1933. (7)
		RS.	RS.	RS.	RS.	RS.
a. A. GODAVARI DELTA SYSTEM—*cont.*	13. *Godavari Western.*—Improvements to the Upper portion of the Yenamadurru drain—G.Os. No. 108 I., dated 25th March 1920, and No. 139 I., dated 23rd June 1920.	9,74,000	8,74,406	50,000	15,000	35,000
	R 14. *Godavari Western.*—Remodelling the Adivicodu channel—G.O. No. 1403 I., dated 9th May 1930.	11,550	..	**R 5,000**	**R 300**	**R 3,300**
	15. *Godavari Western.*—Reconstructing the bridge over the Gostanadi and Velpur canal at Tanuku—G.O. No. 588 I., dated 4th March 1931.	34,720 (Government share 11,573)	..	1,000	..	..
	16. *Godavari Western.*—Providing means of irrigation to the assessed waste lands proposed for second crop cultivation—G.O. No. 1989 I., dated 5th August 1931.	19,100	..	..	3,000	7,000
(N)	R 17. *Godavari Western.*—Providing irrigation facilities for Government waste lands.	88,885 (Government share 71,885)	..	..	..	**R 30,000**
(N)	18. *Godavari Western.*—Excavating the Kakinada drain—G.O. No. 257 I., dated 28th January 1930.	20,150 (Government share 15,800)	..	..	..	10,000
	19. *Godavari Central.*—Constructing a separate head to the Amalapur canal and a new lock between the Amalapur and Gannavaram canals—G.O. No. 2530 I., dated 15th October 1928.	48,000	39,945	..	2,800	..
	20. *Godavari Central.*—Remodelling Ananthavaram channel—G.O. No. 1097 I., dated 25th August 1926.	11,400	5,277	5,000	..	..
	21. *Godavari Central.*—Improvements to the Rangarajukodu and three other drains in the Godavari Central Delta—G.O. No. 184 I., dated 24th January 1928.	50,000	12,564	10,000	15,000	8,000
	22. Minor works	..	..	16,100	15,900	12,000
	TOTAL—a. A. GODAVARI DELTA SYSTEM.			**R 25,000** 1,55,900	**R 11,400** 1,44,000	**R 1,37,300** 82,100
a. B. POLAVARAM ISLAND PROJECT.	R. Polavaram Island Project—G.O. No. 183 I., dated 23rd April 1925	**14,05,780**	11,75,489	**R 75,000**	**R 31,000**	**R 26,000**
	TOTAL—a. B. POLAVARAM ISLAND PROJECT.			**R 75,000**	**R 31,000**	**R 26,000**
a. C. KISTNA DELTA SYSTEM.	1. *Kistna Eastern.*—Remodelling the Polraz canal, II reach—G.Os. No. 617 I., dated 21st March 1927, and No. 2581 I., dated 11th September 1929.	11,685	10,040	..	300	700

R = Remunerative Works. (N) = New Work.

55. CONSTRUCTION OF IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—IRRIGATION WORKS—OTHER WORKS—PRODUCTIVE—RESERVED—*cont.*

a. WORKS—*cont.*

SUB-HEADS of appropriation. (1)	Detailed account heads. [The provision for each major work and the lump sum provision for minor works should be treated as specific appropriations.] (2)	Amount of estimate. (3)	Accounts to end of 1930–1931. (4)	Budget Estimate, 1931–1932. (5)	Revised Estimate, 1931–1932. (6)	Budget Estimate, 1932–1933. (7)
		RS.	RS.	RS.	RS.	RS.
a. C. KISTNA DELTA SYSTEM—*cont.*	2. *Kistna Eastern.*—Remodelling the Kaikalur channel, branch of the Polraz canal—G.Os. No. 1805 I., dated 24th July 1928, and No. 898 I., dated 18th March 1929.	18,500	11,570	3,000	1,200	2,000
	3. *Kistna Eastern.*—Remodelling and extending the Vatlur main channel, branch of the Ellore canal—G.O. No. 1763 I., dated 17th July 1928.	11,700	5,189	5,500	3,200	1,500
	R 4. *Kistna Eastern.*—Excavating the Vempad channel —G.O. No. 1719 I., dated 11th June 1929.	1,05,066	6,148	R 40,000	R 53,000	R 40,000
	5. *Kistna Western.*—Constructing a set of bridges at Peddapudi across the Nizampatam canal and the East and West side channels (XIII—Rs. 2,430)—G.O. No. 945 I., dated 22nd March 1930.	33,070	7,600	15,000	15,000	4,000
	6. *Kistna Eastern.*—Constructing a lock weir at Akumarru lock at 43 miles 8 chains of Masulipatam canal—G.O. No. 1123 I., dated 6th April 1929.	10,300	10,718	..	1,000	..
	7. Minor works	..	..	16,600	11,500	5,900
	TOTAL—a. C. KISTNA DELTA SYSTEM.			R 40,000 40,100	R 53,000 32,200	R 40,000 14,100
a. D. DIVI PUMPING SYSTEM.	*Kistna Central.*—Drainage improvements—G.O. No. 342 I., dated 4th February 1928.	15,000	7,810	R 2,500	R 1,800	..
	TOTAL—a. D. DIVI PUMPING SYSTEM.			R 2,500	R 1,800	..
a. E. PENNAR RIVER CANALS SYSTEM.	1. *Nellore.*—Provision of irrigation facilities under the Vegur tank—G.Os. No. 1781 I., dated 17th August 1927 and No. 2970 I., dated 27th November 1928.	15,760	2,814	5,000	3,000	4,000
(N)	R 2. *Nellore.*—Extension of irrigation under the Kanigiri reservoir—G.Os. No. 2850 I., dated 13th November 1928 and No. 2448 I., dated 28th September 1931.	60,000	..	R 10,000	..	R 10,000
	R 3. *Nellore.*—Improvements to the Dagadarthi channel —G.O. No. 946 I., dated 22nd March 1930.	21,810	1,358	R 12,000	R 11,700	R 4,500
	4. Minor works	..	..	..	300	5,800
	TOTAL—a. E. PENNAR RIVER CANALS SYSTEM.			R 22,000 5,000	R 11,700 3,300	R 14,500 9,800

R = Remunerative Works. (N) = New Work.

55. CONSTRUCTION OF IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—IRRIGATION WORKS—OTHER WORKS—PRODUCTIVE—RESERVED—*cont.*

a. WORKS—*cont.*

SUB-HEADS of appropriation. (1)	Detailed account heads. [The provision for each major work and the lump sum provision for minor works should be treated as specific appropriations.] (2)	Figures by detailed account heads. Amount of estimate. (3)	Accounts to end of 1930–1931. (4)	Budget Estimate, 1931–1932. (5)	Revised Estimate, 1931–1932. (6)	Budget Estimate, 1932–1933. (7)
		RS.	RS.	RS.	RS.	RS.
a. H. CAUVERY DELTA SYSTEM.	1. *Vennar.*—Moiety of the cost of works connected with cross drainage arrangements under the Vadavar system — Cauvery-Mettur Project. Jointly beneficial to the Cauvery Delta System—G.Os. No. 1799 I., dated 26th November 1926, and No. 1732 I., dated 13th July 1929.	1,27,450	1,01,499	3,200	9,000	..
	2. *Vennar.*—Improvements to the drainage of the lands in Tiruturaipundi middle section—G.Os. No. 1411 I., dated 28th May 1928 (XIII—Rs. 15,000) and No. 898 I., dated 18th March 1929.	76,400	59,101	6,000	500	..
	3. *Vennar.*—Diversion of the upland drainage above the Cauvery-Vennar regulators —G.O. No. 254 I., dated 28th January 1930.	2,01,700	1,23,436	50,000	68,400	..
	4. *Cauvery.*—Excavation of a high level channel for the irrigation of sanded lands in Maruvur village in the Tanjore district—G.O. No. 341 I., dated 4th February 1928 (XIII—Rs. 4,700).	9,400	8,016	..	600	..
	5. *Cauvery.*—Improvements to Ayyavayyanar—G.O. No. 1415 I., dated 28th May 1928.	1,67,500	1,38,819	30,000	30,000	..
	6. *Cauvery.*—Improvements to Tirunagari channel—G.O. No. 2173 I., dated 3rd September 1928 (XIII—Rs. 8,020).	97,260	76,323	6,000	22,000	..
	7. *Cauvery.*—Construction of a regulator across the Nandalar river and head sluices to Porambur and Pillur channels—G.O. No. 586 I., dated 4th March 1931.	12,000 (Government share 6,737)	..	500	100	3,000
	8. Minor works	..	..	..	100	7,200
	TOTAL—a. H. CAUVERY DELTA SYSTEM ..			95,700	1,30,700	10,200
a. J. KATTALAI SCHEME.	R 1. *Trichinopoly.*—Bed regulator across the Cauvery at Kattalai and High Level channel—G.O. No. 96 I., dated 12th January 1931.	24,80,000	40,913	R 3,00,000	R 1,72,200	R 4,50,000
	R 2. *Trichinopoly.*—Kattalai north bank canal scheme—G.Os. No. 1494 I., dated 10th May 1929, and No. 3545 I., dated 18th December 1930.	3,62,000	475	R 1,00,000	R 48,200	R 1,65,000

R = Remunerative Works.

55. CONSTRUCTION OF IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—IRRIGATION WORKS—OTHER WORKS—PRODUCTIVE—RESERVED—*cont.*

a. WORKS—*cont.*

SUB-HEADS of appropriation. (1)	Detailed account heads. [The provision for each major work and the lump sum provision for minor works should be treated as specific appropriations.] (2)	Figures by detailed account heads. Amount of estimate. (3)	Accounts to end of 1930–1931. (4)	Budget Estimate, 1931–1932. (5)	Revised Estimate, 1931–1932. (6)	Budget Estimate, 1932–1933. (7)
		RS.	RS.	RS.	RS.	RS.
a. J. KATTALAI SCHEME—*cont.*	3. *Trichinopoly.*—Kattalai south bank canal scheme—G.Os. No. 199 I., dated 8th July 1925 and No. 1836 I., dated 1st December 1926.	8,76,000	9,23,264	..	— 2,300	..
	4. *Trichinopoly.*— Construction of three bridges across the Kattalai south bank canal.	13,240		6,500	11,700	..
	5. Minor Works			6,000	1,200	500
	TOTAL—a. J. KATTALAI SCHEME.			R 4,00,000 12,500	R 2,20,400 10,600	R 6,15,000 500
a. K. PERIYAR SYSTEM.	1. Widening and deepening the Periyar watershed cutting—G.O. No. 1026 I., dated 9th May 1927 and G.O. No. 203 I., dated 26th January 1932.	40,036	363	5,000	6,000	33,700
	2. Reconstructing the collapsed Cumbum anicut across the Vairavanar (G.O. No. 1634 I., dated 30th October 1926)	46,085	33,466	..	600	..
	TOTAL—a. K. PERIYAR SYSTEM ..			5,000	6,600	33,700
a. M. SHATIATOPE ANICUT SYSTEM.	Minor Works	..	1,499	1,000	2,000	2,000
	TOTAL—a. M. SHATIATOPE ANICUT SYSTEM ..	..	..	1,000	2,000	2,000
a. N. TOLUDUR PROJECT.	Minor Works	..	..	..	..	7,000
	TOTAL—a. N. TOLUDUR PROJECT ..	..	..	..	..	7,000
a. O. MEHMATHUR ANICUT SYSTEM.	Minor works	..	..	2,500	2,500	3,000
	TOTAL—a. O. MEHMATHUR ANICUT SYSTEM ..	..	..	2,500	2,500	3,000
(N). a. P. VRIDDACHALAM ANICUT SYSTEM	R. Excavating a new supply channel to Kattalai and Upper Adanur tanks.	14,800	..	..	..	R 2,500
	TOTAL—a. P. VRIDDACHALAM ANICUT SYSTEM ..		..	..	..	R 2,500
GRAND TOTAL—55. IRRIGATION WORKS—OTHER WORKS—PRODUCTIVE—a. WORKS—VOTED.				R 5,64,500 3,17,700	R 3,29,300 3,31,900	R 8,35,300 1,62,400

(R) = Remunerative work. (N) = New work.

55. CONSTRUCTION OF IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—IRRIGATION WORKS—OTHER WORKS—ESTABLISHMENT—RESERVED.

Sub-heads of appropriation.	Strength. 1931–1932.	Strength. 1932–1933.	Details.	Figures by detailed account heads. Accounts, 1930–1931.	Budget Estimate, 1931–1932.	Revised Estimate, 1931–1932.	Budget Estimate, 1932–1933.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
				RS.	RS.	RS.	RS.
b. Special Establishment.			Non-voted— Pay of Officers		*16,500*	*5,200*	*8,700*
	1	1	*Executive Engineer (725)* ..				
			Deduct—*Savings due to 10°/o cut.*		..	*— 100*	*— 800*
			Allowances and Contingencies.		*800*	*800*	*1,800*
			Voted— Pay of Officers		12,000	7,200	11,400
	2	2	Assistant Engineers (250—750)..				
			Deduct—Savings due to 10°/o cut.		..	*— 200*	*— 1,100*
			Pay of Establishments ..		14,600	9,800	16,400
	30	30	Supervisors 4 (125); Head Draughtsman 1 (110); Draughtsman 1 (60); Accountant 1 (150); Accounts Clerks 2 (60); Head Clerk 1 (80); Clerks 3 (35); Typist 1 (35); Tracer 1 (30); Peons 15 (12)				
			Deduct—Savings due to 10°/o cut.		..	— 200	— 1,200
			Allowances and Contingencies.		3,200	2,900	4,000
			Supervision Charges— *Non-voted*		..	..	*500*
			Voted		..	..	1,500
GRAND TOTAL—55 b. ESTABLISHMENT—SPECIAL ESTABLISHMENT				161	47,100	25,400	41,200
Non-voted ..				..	*17,300*	*5,900*	*10,200*
Voted ..				161	29,800	19,500	31,000

55. CONSTRUCTION OF IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—IRRIGATION WORKS—OTHER WORKS—UNPRODUCTIVE—RESERVED.

e. Works.

Sub-heads of appropriation.	Detailed account heads. [The provision for each major work and the lump sum provision for minor works should be treated as specific appropriations.]	Amount of estimate.	Figures by detailed account heads. Accounts to end of 1930–1931.	Budget Estimate, 1931–1932.	Revised Estimate, 1931–1932.	Budget Estimate, 1932–1933.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
		RS.	RS.	RS.	RS.	RS.
e. A. Rushikulya System.	1. *Ganjam.*—Improvements to the Surada Reservoir—G.Os. No. 1356 I., dated 21st May 1928, and No. 1641 I., dated 5th June 1929.	28,500	26,660	..	1,500	..
	2. *Ganjam.*—Excavating the Girisola channel—G.O. No. 1816 I., dated 23rd August 1927.	2,70,000	1,06,331	1,00,000	60,000	75,000
	3. Minor Works	..	..	2,000		..
	Total—e. A. Rushikulya System ..		1,32,991	1,02,000	61,500	75,000
(N) e. B. Nagavalli River System.	1. Excavating the Palavalasa distributary	17,000	..	..	..	4,000
	Minor works		1,039	2,000	1,000	1,000
	Total—e. B. Nagavalli River System.			2,000	1,000	5,000

(N) = New work.

55. CONSTRUCTION OF IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—IRRIGATION WORKS—OTHER WORKS—UNPRODUCTIVE—RESERVED—*cont.*

e. WORKS—*cont.*

SUB-HEADS of appropriation. (1)	Detailed account heads. [The provision for each major work and the lump sum provision for minor works should be treated as specific appropriations.] (2)	Figures by detailed account heads. Amount of Estimate. (3)	Accounts to end of 1930–1931. (4)	Budget Estimate, 1931–1932. (5)	Revised Estimate, 1931–1932. (6)	Budget Estimate, 1932–1933. (7)
		RS.	RS.	RS.	RS.	RS.
e. C. BASAVANNAH CHANNEL.	Improvements and extensions of Basavannah channel—G.Os. No. 445 I., dated 19th December 1924 and No. 2350 I., dated 24th September 1928.	4,11,860 5,51,000	4,02,785	5,000	10,000	10,000
	TOTAL—e. C. BASAVANNAH CHANNEL ..	..	..	5,000	10,000	10,000
e. D. THIPPAYAPALEM PROJECT.	Thippayapalem Reservoir—G.O. No. 1103 I., dated 25th April 1931.	3,00,000	53,436	30,000	..	..
	Minor works	..	..	100	1,400	..
	TOTAL—e. D. THIPPAYAPALEM PROJECT..	2,26,000	..	30,100	1,400	..
e. E. MADRAS WATER-SUPPLY AND IRRIGATION SYSTEM.	Improvements to the upper supply channel—G.O. No. 2494 I., dated 2nd September 1929 and No. 267 I., dated 31st January 1931	19,400	6,417	3,000	1,000	3,000
	TOTAL—e. E. MADRAS WATER-SUPPLY AND IRRIGATION SYSTEM.	..	..	3,000	1,000	3,000
e. F. BARUR TANK.	Minor Works	..	..	5,000	..	..
	TOTAL—e. F. BARUR TANK.	..	..	5,000	..	..
e. G. ATMAKUR TANK.	Minor works	..	..	..	3,000	..
	TOTAL—e. G. ATMAKUR TANK.	..	..	..	3,000	..
GRAND TOTAL—55. IRRIGATION WORKS—OTHER WORKS—UNPRODUCTIVE—e. WORKS—VOTED.		..	..	1,47,100	77,900	93,000

55. CONSTRUCTION OF IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—OTHER WORKS—UNPRODUCTIVE.

j. WORKS.

BUCKINGHAM CANAL.	1. *Nellore*—Constructing permanent huts for lascars at certain locks on the Buckingham canal—G.O. No. 145 I., dated 21st January 1929	13,680	500	8,700	6,200	6,500
GRAND TOTAL—55. NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—OTHER WORKS—UNPRODUCTIVE—j. WORKS—VOTED.		..	..	8,700	6,200	6,500

DEMAND VII.—IRRIGATION—CAUVERY-METTUR PROJECT—RESERVED.

ESTIMATE OF THE TOTAL GRANT REQUIRED IN 1932-1933.

VOTED .. .. Rs. 75,83,400

Non-voted .. .. Rs. 1,46,800

55. CONSTRUCTION OF IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—CAUVERY-METTUR PROJECT—RESERVED.

Summary by Minor Heads and Sub-heads of appropriation.

MINOR HEADS and SUB-HEADS of appropriation. (ITEMS OF GRANT.) (1)	Accounts, 1930-1931. Non-voted. (2)	Accounts, 1930-1931. Voted. (3)	Budget Estimate, 1931-1932. Non-voted. (4)	Budget Estimate, 1931-1932. Voted. (5)	Revised Estimate, 1931-1932. Non-voted. (6)	Revised Estimate, 1931-1932. Voted. (7)	Budget Estimate, 1932-1933. Non-voted. (8)	Budget Estimate, 1932-1933. Voted. (9)
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
IRRIGATION WORKS—PRODUCTIVE—								
CAUVERY-METTUR PROJECT.								
HEADWORKS.								
55. a. WORKS—								
a. A. PRELIMINARY EXPENSES ..	..	2,664	..	1,500		1,500	..	1,500
a. B. LAND—COST OF LAND	..	— 494	..	..	..	3,000	..	..
a. B-1. LAND ACQUISITION ESTABLISHMENT ..	..	2,309	..	..	..	..	..	..
a. C. WORKS	..	60,13,473	..	60,09,300	..	77,40,700	..	56,77,800
a. K. BUILDINGS ..	..	20,109	..	64,100	..	1,00,200	..	60,600
a. O. MISCELLANEOUS—COMMUNICATIONS.	..	— 36,057	..	22,000	..	19,100	..	24,500
a. O-1. MISCELLANEOUS—SANITATION.	..	1,18,157	..	1,19,800	..	1,32,400	..	1,17,100
a. P. MAINTENANCE ..	..	..	..	500	..	..	..	..
a. Q. SPECIAL TOOLS AND PLANT	..	5,67,413	..	43,700	..	3,24,100	..	91,000
a. Q-1. RECEIPTS BY SALE OF SPECIAL TOOLS AND PLANT ..	..	17,907	..	— 11,000	..	— 31,500	..	— 30,000
a. R. LOSS ON STOCK ..	..	835	..	500	..	600	..	700
TOTAL—55. a.—HEADWORKS—WORKS ..	..	67,06,316	..	62,50,400	..	82,90,100	..	59,43,200

55.—CONSTRUCTION OF IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—CAUVERY-METTUR PROJECT—RESERVED—*cont.*

Summary by Minor Heads and Sub-heads of appropriation—*cont.*

MINOR HEADS and SUB-HEADS of appropriation. (ITEMS OF GRANT.)	Accounts, 1930–1931.		Budget Estimate, 1931–1932.		Revised Estimate, 1931–1932.		Budget Estimate, 1932–1933.	
	Non-voted.	Voted.	Non-voted.	Voted.	Non-voted.	Voted.	Non-voted.	Voted.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
HEADWORKS—*cont.*								
55. b. ESTABLISHMENT—								
b. A. PUBLIC WORKS ESTABLISHMENTS—								
b. A. 1. PAY OF OFFICERS ..	*1,23,214*	1,05,467	*95,700*	80,700	*87,700*	74,100	*83,300*	69,300
b. A. 2. PAY OF ESTABLISHMENTS—TEMPORARY ..	..	1,45,366	..	1,30,000	..	1,35,500	..	1,27,800
b. A. 3. CHARGES PAYABLE TO GOVERNMENTS, DEPARTMENTS AND OTHERS.	..	7,266	..	8,500	..	7,500	..	7,500
b. A. 4. OTHER CHARGES.	*16,680*	13,547	*4,900*	11,000	*5,700*	9,600	*4,400*	8,400
b. B. OTHER ESTABLISHMENTS—								
b. B. 1. PAY OF OFFICERS ..	..	9,063	..	9,200	..	8,000	..	7,400
b. B. 2. PAY OF ESTABLISHMENTS—TEMPORARY ..	..	26,174	..	27,500	..	27,200	..	26,100
b. B. 3 OTHER CHARGES.	..	4,855	..	5,100	..	3,600	..	3,400
b. C. *Deduct*—PERCENTAGE RECOVERIES.	..	18,569	..	— 100	..	— 200	..	— 200
TOTAL—55. b.—HEADWORKS—ESTABLISHMENT ..	*1,39,894*	3,30,307	*1,00,600*	2,71,900	*93,400*	2,65,300	*87,700*	2,49,700

55.—CONSTRUCTION OF IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—CAUVERY-METTUR PROJECT—RESERVED—*cont.*

Summary by Minor Heads and Sub-heads of appropriation—*cont.*

MINOR HEADS and SUB-HEADS of appropriation. (ITEMS OF GRANT.) (1)	Accounts, 1930–1931. Non-voted. (2)	Accounts, 1930–1931. Voted. (3)	Budget Estimate, 1931–1932. Non-voted. (4)	Budget Estimate, 1931–1932. Voted. (5)	Revised Estimate, 1931–1932. Non-voted. (6)	Revised Estimate, 1931–1932. Voted. (7)	Budget Estimate, 1932–1933. Non-voted. (8)	Budget Estimate, 1932–1933. Voted. (9)
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
HEAD WORKS—*cont.*								
55. c. TOOLS AND PLANT.	..	14,994	..	16,000	..	19,000	..	14,600
55. d. SUSPENSE ..	..	— 58,898	..	70,000	..	— 2,22,000	..	— 37,000
55. e. *Deduct*—RECOVERIES ON CAPITAL ACCOUNT ..	..	— 1,88,272	..	— 1,20,000	..	—1,86,000	..	— 80,000
55. f. *Deduct*—ENGLISH COST OF STORES.	(*a*)—*3,097*	— 3,45,281	..	— 1,33,000	..	— 97,100	..	— 27,000
	1,36,797	64,59,166	*1,00,600*	63,55,300	*93,400*	80,69,300	*87,700*	60,63,500
TOTAL—55. HEADWORKS.	65,95,963		64,55,900		81,62,700		61,51,200	
CANALS.								
55. a. WORKS—								
a. A. MAIN CANALS AND BRANCHES—								
a. A. 1. GRAND ANICUT CANAL SYSTEM.	*682*	12,05,380	*200*	8,07,900	*1,100*	12,74,800	*200*	6,23,000
a. A. 2. VADAVAR SYSTEM.	..	62,370	..	6,000		36,900	..	1,900
a. B. DISTRIBUTARIES—								
a. B. 1. GRAND ANICUT CANAL SYSTEM.	*19,207*	5,92,344	*18,000*	5,65,000	*9,300*	4,35,800	*18,800*	7,93,000
a. B. 2. VADAVAR SYSTEM.	*672*	71,400	..	71,500	*9,200*	1,27,200	..	3,000
a. C. SPECIAL TOOLS AND PLANT ..	..	19,876	..	25,000	..	7,000	..	13,000
a. D. RECEIPTS BY SALE OF SPECIAL TOOLS AND PLANT ..	..	— 16,601	..	— 7,000	..	— 37,500	..	— 50,000
TOTAL—55. a. CANALS—WORKS ..	*20,561*	19,34,769	*18,200*	14,68,400	*19,600*	18,44,200	*19,000*	13,83,900

(*a*) Represents expenditure in England inclusive of loss by exchange on account of Land Acquisition Establishment debitable to works.

55.—CONSTRUCTION OF IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—CAUVERY-METTUR PROJECT—RESERVED—*cont.*

Summary by Minor Heads and Sub-heads of appropriation—*cont.*

MINOR HEADS and SUB-HEADS of appropriation. (ITEMS OF GRANT.)	Accounts, 1930–1931.		Budget Estimate, 1931–1932.		Revised Estimate, 1931–1932.		Budget Estimate, 1932–1933.	
	Non-voted.	Voted.	Non-voted.	Voted.	Non-voted.	Voted.	Non-voted.	Voted.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
CANALS—*cont.*	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
55. b. ESTABLISHMENT—								
b. A. PUBLIC WORKS ESTABLISHMENTS—								
b. A. 1. PAY OF OFFICERS.	*59,960*	43,856	*64,500*	41,800	*47,300*	46,900	*29,300*	22,000
b. A. 2. PAY OF ESTABLISHMENTS ..	..	1,12,998	..	1,09,000	..	1,07,000	..	55,600
b. A. 3. ALLOWANCES ..	*9,973*	30,383	*10,000*	29,000	*9,000*	32,000	*6,000*	15,000
b. A. 4. OTHER CHARGES.	*495*	21,707	*600*	15,000	*600*	15,900	..	8,900
b. B. OTHER ESTABLISHMENTS	..	1,165	..	2,100	..	2,100	..	2,100
b. C. *Deduct*—PERCENTAGE RECOVERIES.	..	— 11,949	..	— 3,000	..	— 8,900	..	..
TOTAL—55. b.—CANALS—ESTABLISHMENT.	*70,428*	1,98,160	*75,100*	1,93,900	*56,900*	1,95,000	*35,300*	1,03,600
55. c. TOOLS AND PLANT.	..	12,306	..	5,300		2,100	..	2,400
55. d. SUSPENSE ..	..	— 4,837	..	1,000	..	— 4,000	..	— 2,000
55. e. *Deduct*—RECOVERIES ON CAPITAL ACCOUNT ..	.	— 10,363	..	— 4,000	..	— 8,500	..	— 9,000
TOTAL—55. CANALS ..	*90,989*	21,30,035	*93,300*	16,64,600	*76,500*	20,28,800	*54,300*	14,78,900
	22,21,024		17,57,900		21,05,300		15,33,200	
TOTAL—HEADWORKS AND CANALS ..	*2,27,786*	85,89,201	*1,93,900*	80,19,900	*1,69,900*	1,00,98,100	*1,42,000*	75,42,400
	88,16,987		82,13,800		1,02,68,000		76,84,400	
55. g. LOSS OR GAIN BY EXCHANGE—								
g. A. STORES, ETC. ..	*43*	4,367	..	..	..	700	..	..
TOTAL—INDIA ..	*2,27,829*	85,93,568	*1,93,900*	80,19,900	*1,69,900*	1,00,98,800	*1,42,000*	75,42,400
55. j. EXPENDITURE IN ENGLAND— STORES, ETC. ..	*3,054*	3,40,914	..	1,33,000	*4,200*	1,02,600	*4,800*	41,000
TOTAL—DEMAND VII—(RESERVED) ..	*2,30,883*	89,34,482	*1,93,900*	81,52,900	*1,74,100*	1,02,01,400	*1,46,800*	75,83,400
	91,65,365		83,46,800		1,03,75,500		77,30,200	

55.—CONSTRUCTION OF IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—CAUVERY-METTUR PROJECT—RESERVED—*cont.*

(TOTAL FOR CAUVERY-METTUR PROJECT.)

Particulars.	Accounts, 1930–1931.		Budget Estimate, 1931–1932.		Revised Estimate, 1931–1932.		Budget Estimate, 1932–1933.	
	Non-voted. (2)	Voted. (3)	Non-voted. (4)	Voted. (5)	Non-voted. (6)	Voted. (7)	Non-voted. (8)	Voted. (9)
(1)	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
AMOUNT INCLUDED IN DEMAND VII	*2,30,883*	89,34,482	*1,93,900*	81,52,900	*1,74,100*	1,02,01,400	*1,46,800*	75,83,400
Add—								
(1) PENSION CHARGES—								
(*a*) HEADWORKS—								
I. LAND ACQUISITION ESTABLISHMENT ..	..	..	..	..	..	..	..	..
II. OTHER ESTABLISHMENTS	—*4,451*	36,985	*17,100*	33,200	*4,700*	13,300	*4,400*	12,500
(*b*) CANALS—								
I. LAND ACQUISITION ESTABLISHMENT ..	..	..	*2,500*	19,000	*1,200*	6,000	*1,200*	12,000
II. OTHER ESTABLISHMENTS ..	*10,422*	22,356	*10,500*	27,200	*2,800*	9,800	*1,800*	5,200
TOTAL—PENSION CHARGES (MAJOR HEAD 45).	*5,971*	59,341	*30,100*	79,400	*8,700*	29,100	*7,400*	29,700
(2) EXPENDITURE IN ENGLAND—OTHER THAN ON STORES (DEMAND XXXVII)	*36,351*	4,114	*25,400*	..	*25,600*	..	*17,000*	..
(3) LOSS OR GAIN BY EXCHANGE—OTHER THAN ON STORES (DEMAND XXXVII)	*482*	43	..	..	*200*	..	..	..
GRAND TOTAL—CAUVERY-METTUR PROJECT ..	*2,73,687*	89,97,980	*2,49,400*	82,32,300	*2,08,600*	1,02,30,500	*1,71,200*	76,13,100
	92,71,667		84,81,700		1,04,39,100		77,84,300	
DISTRIBUTION—								
INDIA	*2,34,282*	86,52,952	*2,24,000*	80,99,300	*1,78,800*	1,01,27,900	*1,49,400*	75,72,100
	88,87,234		83,23,300		1,03,06,700		77,21,500	
ENGLAND ..	*39,405*	3,45,028	*25,400*	1,33,000	*29,800*	1,02,600	*21,800*	41,000
	3,84,433		1,58,400		1,32,400		62,800	

55. CONSTRUCTION OF IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—IRRIGATION WORKS—PRODUCTIVE—CAUVERY-METTUR PROJECT—HEADWORKS—RESERVED.

a. WORKS.

Sub-heads of appropriation. (1)	Detailed account heads. (2)	Figures by detailed account heads. Amount of estimate. (3)	Accounts to end of 1930–1931. (4)	Budget Estimate, 1931–1932. (5)	Revised Estimate, 1931–1932. (6)	Budget Estimate, 1932–1933. (7)
		RS.	RS.	RS.	RS.	RS.
a. A. PRELIMINARY EXPENSES.	1. Preliminary expenses ..	2,00,000	1,83,396	1,500	1,500	1,500
	TOTAL—A. PRELIMINARY EXPENSES ..	2,00,000	1,83,396	1,500	1,500	1,500
a. B. LAND ..	2. Land compensation at headworks (including water-spread area) .. .. 3. Land compensation at headworks unforeseen ..	27,15,350	27,67,372	..	3,000	..
	TOTAL—a. B. LAND ..	27,15,350	27,67,372	..	3,000	..
a. B (1). LAND ACQUISITION ESTABLISHMENT.	4. Land Acquisition Establishment	1,99,300	2,25,532	..	..	..
	TOTAL—a. B. (1). LAND ACQUISITION ESTABLISHMENT ..	1,99,300	2,25,532	..	..	..
a. C. WORKS (CONSTRUCTION OF MAIN DAM).	5. Excavating foundations, benching rock, leading away spoils, etc., including provision made under estimates 6, 7 and 8-H (items 14, 15 and 16 below)	9,91,000	13,73,451	50,000	1,45,000	20,000
	6. Concrete in cement mortar main dam deducting savings due to substitution of surki, but including concrete in cement mortar provided under estimates 6, 7 and 8-H (i.e., items 14, 15 and 16 below) ..					
	Cement.—55,000 tons at Rs. 52-8-0 a ton	1,98,12,200	38,42,116	21,07,900	36,69,000	29,00,000
	Sand.—43,000 units at Rs. 5 per 100 c.ft.		5,89,084	1,80,000	2,58,500	1,62,000
	Stone.—133,000 units at Rs. 6-10-0 per 100 c.ft. average.		19,58,613	15,40,000	10,96,700	8,89,000
	Surki.—12,500 tons at Rs. 6 per ton		1,02,185	70,000	99,800	75,000
	Mixing and laying charges, incidentals, etc.—133,000 units at Rs. 5-14-0 per unit average.		11,17,025	6,20,000	9,98,000	7,98,000
	Preparing drainage shaft ..		22,129	20,000	13,000	2,000
	7. Upstream face finish ..	76,874	2,453	5,700	8,100	8,400
	8. Downstream face finish ..	38,977	259	2,000	1,600	2,100
	9. Cutstone cement for floor ..	31,019	..	5,000	..	..
	10. Pointing cutstone with cement	2,816	..	200	..	..
	11. Top of dam parapet and architectural effects ..	2,00,000	..	..	13,000	30,000
	12. Earthfilling in front of dam ..	75,000	7,594	7,100	10,900	1,900
	13. Do. in rear of dam ..	20,000	4,010	700	7,500	500
	14. Deep supply sluices ..	* 2,86,300	43,760	1,20,000	1,88,000	89,000
	15. Central supply sluices ..	* 2,57,100	38,973	1,20,000	1,47,000	2,43,000
	16. Right supply sluices ..	..		..		
	Carried over ..	2,17,91,286	91,01,652	48,48,600	66,56,100	52,20,900

* Provision for excavating foundations and concrete in cement mortar included under items 5 and 6 above.

Note.—The provision for each detailed account head under the minor head " Works " should be treated as a specific appropriation.

55. CONSTRUCTION OF IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—IRRIGATION WORKS—PRODUCTIVE—CAUVERY-METTUR PROJECT—HEADWORKS—RESERVED—*cont.*

a. Works—*cont.*

Sub-heads of appropriation. (1)	Detailed account heads. (2)	Figures by detailed account heads. Amount of estimate. (3)	Accounts to end of 1930–1931. (4)	Budget Estimate, 1931–1932. (5)	Revised Estimate, 1931–1932. (6)	Budget Estimate, 1932–1933. (7)
		RS.	RS.	RS.	RS.	RS.
	Brought forward ..	2,17,91,286	91,01,652	48,48,600	66,56,100	52,20,900
a. C. Works—*cont.*	17. Expansion joints	1,00,000	1,928	6,000	9,300	15,000
	18. Petty supervision	4,40,836	..	..	..	..
	19. Contingencies	11,17,278	47,445	6,000	4,600	6,000
	20. Diversion work in river bed..	2,00,000	1,79,381	1,000	33,400	1,000
	21. Pumping foundations ..	1,25,000	2,06,573	17,000	24,000	2,000
	22. Closing construction sluices ..	15,000	..	..	12,000	3,000
	23. Turbine pipes	4,70,000	6,17,076	25,000	1,40,000	63,500
	24. Yearly arrangements for surplusing	1,80,000	28,629	..	7,000	80,000
	25. Shutters for irrigation sluices main dam	6,50,000	4,31,117	95,000	2,30,000	8,000
	26. Constructing bridge across the Cauvery below dam site ..	2,60,000	2,63,129	..	..	..
	27. Boring foundations and grouting	2,00,000	1,51,595	19,000	29,000	15,000
	28. Testing of materials ..	50,000	37,840	6,000	6,000	4,500
	29. Surplus sluices and shutters.	25,21,000	14,24,940	8,93,500	5,41,500	3,15,500
	30. Laying light railways, alteration	1,04,000	53,180	45,000	47,700	..
	31. Maintenance of way ..	1,00,000	13,858	4,200	6,300	4,400
	32. C. Works suspense ..	..	1,55,161	43,000	..	— 47,000
	32-a. *Deduct* English Cost of Establishment ..	..	..	..	— 6,200	— 14,000
	Total—a. C. Works ..	2,83,24,400	1,27,13,504	60,09,300	77,40,700	56,77,800
a. K. Buildings (Mettur and Salem Camp).	33. Office buildings	78,000	77,325	..	100	300
	34. Store sheds	2,20,000	2,33,045	..	900	..
	35. Workshops and Powerhouse.	1,85,000	1,82,504	..	700	..
	36. Officers' quarters	2,55,500	2,56,833	..	..	500
	37. Quarters for erectors, foremen and other subordinates ..	1,71,000	1,64,630	..	5,200	200
	38. Quarters for mechanics ..	1,62,500	1,62,172	..	..	..
	39. Quarters for peons and police staff	72,600	69,743	..	2,900	100
	40. Quarters for clerks, higher and lower grades ..	2,22,600	2,10,186	..	13,900	..
	41. Quarters for maistris, mechanics, mates and firemen ..	84,000	83,621	..	..	..
	42. Scavengers' huts	12,500	12,385	..	..	..
	43. Coolie huts	3,22,500	3,22,336	..	..	..
	44. Court-house, Police station and Treasury	11,800	3,069	..	8,900	..
	45. Hospital and outbuilding including equipment ..	1,15,000	1,01,176	2,000	2,000	2,000
	46. Rest-houses	17,000	16,693	..	..	..
	47. Health laboratory and stores.	5,700	5,638	..	..	..
	48. Combined Post and Telegraph Office	5,200	5,216	..	..	..
	49. Puttu stalls	640	2,930	..	..	..
	50. Elementary schools ..	..	..	..	..	..
	51. Recreation club	8,700	8,653	..	..	..
	Carried over ..	19,50,240	19,18,155	2,000	34,600	3,100

Note.—The provision for each detailed account head under the minor head "Works" should be treated as a specific appropriation.

55. CONSTRUCTION OF IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—IRRIGATION WORKS—PRODUCTIVE—CAUVERY-METTUR PROJECT—HEADWORKS—RESERVED—*cont.*

a. WORKS—*cont.*

Sub-heads of appropriation. (1)	Detailed account heads. (2)	Figures by detailed account heads. Amount of estimate. (3)	Accounts to end of 1930–1931. (4)	Budget Estimate, 1931–1932. (5)	Revised Estimate, 1931–1932. (6)	Budget Estimate, 1932–1933. (7)
		RS.	RS.	RS.	RS.	RS.
	Brought forward ..	19,50,240	19,18,155	2,000	34,600	3,100
a. K. BUILDINGS—*cont.*	52. Testing shed in Laboratory Compound	2,500	2,735	..	..	..
	53. Dry and flush-out latrines ..	62,000	59,044	..	..	..
	54. Dispensary—Salem Camp ..	3,600	3,883	..	..	..
	55. Quarters for Transport staff..	4,000	3,939	..	..	..
	56. Removing Transport shed, Erode, and re-erecting it on Ellis Saddle	500	1,079	..	..	..
	57. Miscellaneous	18,500	18,581	..	..	..
	58. Electric installations to quarters and offices including maintenance	3,00,000	2,44,139	27,000	40,600	37,000
	59. Air Compressor shed in Ellis Saddle	7,500	8,041	..	..	..
	60. Unforeseen	11,000	6,907	..	..	..
	61. Maintenance of camps ..	2,76,460	57,678	35,100	25,000	20,500
	TOTAL—a. K. BUILDINGS.	26,36,300	23,24,181	64,100	1,00,200	60,600
a. O. MISCELLANEOUS—COMMUNICATIONS.	ROAD FROM ERODE TO BHAVANI.					
	62. Improvements of road from Erode to Bhavani (via Sittodu)	1,40,770	1,40,764	..	..	..
	63. Improvements to the connecting road from Erode-Satyamangalam road to 59-6 Perundurai road ..	5,913	5,913	..	..	..
	64. Forming a road from Poondurai toll-gate near Erode.	24,090	24,090	..	..	..
	65. Diverting the Erode-Bhavani road via Sittodu from Bhavani Bridge to Kalingarayanpalayam ..	22,600	22,594	..	..	..
	66. Forming a new road from Storeshed at new siding to Poondurai road	4,067	4,067	..	..	..
	67. Constructing a broad gauge siding for Public Works Department, Cauvery-Mettur Project, at Erode junction	2,622	2,635	..	..	..
	68. Remetalling road from Bhavani to Neringipet ..	11,327	11,327	..	..	..
	69. Remetalling road up to No. 16-0 from Bhavani ..	1,64,396	1,64,396	..	..	..
	70. Constructing a girder bridge across the Chittar No. 8/4-5 miles of Bhavani-Mettur road	33,870	33,870	..	..	..
	71. Constructing a culvert of 3′ to 4′ span between Bhavani and Neringipet ..	..	..	..	..	..
	72. Constructing culverts and bridges second section of Erode-Mettur road ..	18,075	18,075	..	..	..
	73. Constructing a girder bridge of 30′ span across vari at No. 11/5-6 of Bhavani-Mettur road	10,786	10,786	..	..	..
	74. Constructing a girder bridge of 30′ span across vari at No. 12/4-5 of Bhavani-Mettur road	12,823	12,823	..	..	..
	75. Constructing a girder bridge of 30′ span across vari at No. 11/6-7 of Bhavani-Mettur road	9,839	9,839	..	..	..
	Carried over ..	4,61,178	4,61,179	..	..	..

Note.—The provision for each detailed account head under the minor head " Works " should be treated as a specific appropriation.

55. CONSTRUCTION OF IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—IRRIGATION WORKS—PRODUCTIVE—CAUVERY-METTUR PROJECT—HEADWORKS—RESERVED—*cont.*

a. WORKS—*cont.*

Sub-heads of appropriation. (1)	Detailed account heads. (2)	Figures by detailed account heads. Amount of estimate. (3)	Accounts to end of 1930–1931. (4)	Budget Estimate, 1931–1932. (5)	Revised Estimate, 1931–1932. (6)	Budget Estimate, 1932–1933. (7)
		RS.	RS.	RS.	RS.	RS.
	Brought forward ..	4,61,178	4,61,179	..	..	..
a. O. MISCELLANEOUS—COMMUNICATIONS—*cont.*	ROAD FROM NERINGIPET TO METTUR.					
	76. Metalling road from Neringipet to Mettur, third section.	87,441	87,441	..	..	..
	77. Remetalling the road from Neringipet to Mettur, third section	3,635	3,635	..	..	..
	78. Constructing culverts and bridges in third section ..	35,362	35,362	..	..	..
	ROADS AT HEADWORKS—AT METTUR.					
	79. Constructing 13 miles of road at Headworks	1,30,419	1,27,028	3,200	300	400
	80. Unforeseen	10,000	3,680	..	1,100	800
	81. Maintenance of the above ..	72,500	33,552	13,100	12,600	12,300
	OTHER ROADS—SALEM SIDE.					
	82. Roads on Salem side ..	1,05,000	1,01,603	..	..	..
	83. Maintenance of road from Erode to Mettur ..	45,180	48,872	..	8,000	4,000
	TELEPHONES.					
	84. Telephone, Mettur-Erode ..	15,000	7,324	2,700	4,600	4,800
	85. Telephone between big machines at Mettur ..	16,075	17,298	3,000	3,000	2,200
	85-A. Telephone between Kodiveru and Bhavani ..	..	..	..	2,200	..
	86. Contribution for the Salem-Mettur Railway	5,15,360	4,56,695	..	— 12,700	..
	TOTAL—a. O. MISCELLANEOUS—COMMUNICATIONS	14,97,150	13,83,669	22,000	19,100	24,500
	MISCELLANEOUS—SANITATION.					
a. O-1. MISCELLANEOUS—SANITATION.	87. Drainage scheme	1,85,000	1,67,458	..	500	..
	88. Maintenance of drainage for the period of the project ..	1,56,000	27,321	10,000	14,400	13,500
	89. Public health and conservancy	3,59,000	2,09,467	45,700	45,700	39,000
	90. Contingencies	15,500	..	..	..	..
	WATER-SUPPLY.					
	91. Water-supply, preliminary ..	73,372	73,372	..	..	..
	92. Do. final ..	4,46,628	4,43,163	2,500	4,800	2,000
	93. Maintenance	3,25,000	1,21,110	47,000	52,400	48,000
	94. Contingencies	..	..	..	..	..
	HOSPITAL.					
	95. Upkeep of hospital ..	1,30,000	45,101	14,600	14,600	14,600
	TOTAL—a. O-1. MISCELLANEOUS—SANITATION.	16,90,500	10,86,992	1,19,800	1,32,400	1,17,100

Note.—The provision for each detailed account head under the minor head "Works" should be treated as a specific appropriation.

55. CONSTRUCTION OF IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—IRRIGATION WORKS—PRODUCTIVE—CAUVERY-METTUR PROJECT—HEADWORKS—RESERVED—*cont.*

a. WORKS—*cont.*

SUB-HEADS of appropriation.	Detailed account heads.	Figures by detailed account heads. Amount of estimate.	Accounts to end of 1930-1931.	Budget Estimate, 1931-1932.	Revised Estimate, 1931-1932.	Budget Estimate, 1932-1933.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
		RS.	RS.	RS.	RS.	RS.
a. P. MAINTENANCE.	96. Maintenance of works during construction	1,00,000	7	500	..	..
	TOTAL—a. P. MAINTENANCE ..	1,00,000	7	500	..	..
a. Q. SPECIAL TOOLS AND PLANT.	97. Concreting plant	28,16,352	27,90,540	..	27,000	1,000
	98. Stone-crushing plant ..	17,19,909	17,00,893	..	20,500	..
	99. Air compressors, air lines, etc.	5,80,784	5,44,654	..	6,400	..
	100. Electricity and electrical distribution	3,52,800	3,43,730	8,000	4,300	..
	101. Tramways	8,52,834	7,56,413	..	1,10,000	74,500
	102. Rolling stock	11,48,956	10,45,508	..	1,12,200	..
	103. Transport	1,57,046	1,56,757	..	..	..
	103A. Pumps	80,206	80,067	..	..	..
	104. Workshops equipment ..	2,01,768	1,99,017	..	..	..
	105. Lifting and shifting tackle.	1,13,542	98,826	..	36,900	..
	106. Miscellaneous	1,96,717	1,90,078	..	1,600	..
	107. Unforeseen and contingencies	79,086	..	..	..	..
	107A. Maintenance and repairs ..	2,00,000	1,18,888	35,700	5,200	15,500
	TOTAL—a. Q. SPECIAL TOOLS AND PLANT ..	85,00,000	80,25,371	43,700	3,24,100	91,000
a. Q-1. RECEIPTS BY SALE OF SPECIAL TOOLS AND PLANT.	107B. *Deduct* receipts by sale of special tools and plant ..	— 9,00,000	— 1,31,306	— 11,000	— 31,500	— 30,000
	TOTAL—a. Q-1. RECEIPTS BY SALE OF SPECIAL TOOLS AND PLANT ..	— 9,00,000	— 1,31,306	— 11,000	— 31,500	— 30,000
a. R. LOSS ON STOCK.	108. Loss on Stock	..	1,872	500	600	700
	TOTAL—a. R. LOSS ON STOCK	..	1,872	500	600	700
GRAND TOTAL—CAUVERY-METTUR PROJECT—HEADWORKS—a. WORKS ..		4,49,63,000	2,85,80,590	62,50,400	82,90,100	59,43,200

Note.—The provision for each detailed account head under the minor head " Works " should be treated as a specific appropriation.

55. CONSTRUCTION OF IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—IRRIGATION WORKS—PRODUCTIVE—CAUVERY-METTUR PROJECT—HEADWORKS—RESERVED—*cont.*

b. ESTABLISHMENT.

Sub-heads of appropriation. (1)	Strength. 1931–1932. (2)	Strength. 1932–1933. (3)	Details. (4)	Accounts, 1930–1931. (5)	Budget Estimate, 1931–1932. (6)	Revised Estimate, 1931–1932. (7)	Budget Estimate, 1932–1933. (8)
				RS.	RS.	RS.	RS.
			b. A. PUBLIC WORKS ESTABLISHMENTS.				
b. A. 1. PAY OF OFFICERS.			NON-VOTED	*1,23,214*	*95,700*	*90,200*	*93,900*
	5	*5*	*Engineer-in-Chief 1 (2,750—125—3,000); Executive Engineers 4 (625—1,375)* ..				
			Deduct—*Savings due to 10°/ₒ cut*..	..	..	*— 2,500*	*— 10,600*
			VOTED	1,05,467	80,700	76,000	77,000
	15	13	Executive Engineer 1 (1,375); Electrical Engineer 1 (800--1,000); Assistant Engineers 11 (250—750) ..				
			Deduct—Savings due to 10°/ₒ cut ..	..	..	— 1,900	— 7,700
			TOTAL—b. A. 1. *Non-voted* ..	*1,23,214*	*95,700*	*87,700*	*83,300*
			TOTAL—b. A. 1. VOTED ..	1,05,467	80,700	74,100	69,300
b. A. 2. PAY OF ESTABLISHMENTS—TEMPORARY.			VOTED	1,45,366	1,30,000	1,38,000	1,38,000
	84	82	Manager 1 (150—200); Accountants 4 (100—300); Stock verifiers 2 (100—200); Head Clerks 6 (80—120); Transport Officer 1 (80—100); Clerks 13 (60—80), 46 (35—60); Typists 5 (35—60); Storekeepers 1 (80—100), 1 (40—100), 1 (35—60); Stationery Assistant 1 (35—60); Special pay—1 (15); Typewriting 1 (10).				
	49	50	Supervisors 40 (80—250); Special pay 1 (50); Draughtsmen 1 (150—200), 2 (110—140), 2 (60—100); Mechanical draughtsmen 2 (100—125); Tracers 2 (30—45), Quarry Superintendent 1 (200—250).				
	94	90	Daffadar 1 (20—25); Peons 89 (12—18)				
			Deduct—Savings due to 10°/ₒ cut ..	..	..	— 2,500	— 10,200
			TOTAL—b. A. 2. VOTED ..	1,45,366	1,30,000	1,35,500	1,27,800
b. A. 3. CHARGES PAYABLE TO GOVERNMENTS, DEPARTMENTS AND OTHERS.			VOTED	7,266	8,500	7,500	7,500
			Stationery and Printing.				
			TOTAL—b. A. 3. VOTED ..	7,266	8,500	7,500	7,500
b. A. 4. OTHER CHARGES.			NON-VOTED—				
			TRAVELLING ALLOWANCES ..	*2,452*	*2,500*	*2,000*	*2,000*
			GRANTS-IN-AID	*2,542*	*2,400*	*2,400*	*2,400*
			Contribution for passages of officers transferred to or from other Governments, departments, etc.				
			Bonus contribution to Special Provident Fund	*11,686*	..	*1,300*	..
			Carried over ..	*16,680*	*4,900*	*5,700*	*4,400*

55. CONSTRUCTION OF IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—IRRIGATION WORKS—PRODUCTIVE—CAUVERY-METTUR PROJECT—HEADWORKS—RESERVED—*cont.*

b. ESTABLISHMENT—*cont.*

Sub-heads of appropriation. (1)	Strength. 1931–1932. (2)	Strength. 1932–1933. (3)	Details. (4)	Accounts, 1930–1931. (5)	Budget Estimate, 1931–1932. (6)	Revised Estimate, 1931–1932. (7)	Budget Estimate, 1932–1933. (8)
				RS.	RS.	RS.	RS.
			b. A. PUBLIC WORKS ESTABLISHMENTS—*cont.*				
			Brought forward ..	*16,680*	*4,900*	*5,700*	*4,400*
b. A. 4. OTHER CHARGES—*cont.*			VOTED— Bonus contribution to Special Provident Fund	4,619	..	1,400	1,400
			TRAVELLING ALLOWANCES (including fixed travelling allowances)	3,449	4,000	3,500	3,000
			CONTINGENCIES	5,479	7,000	4,700	4,000
			TOTAL—b. A. 4. *Non-voted* ..	*16,680*	*4,900*	*5,700*	*4,400*
			TOTAL—b. A. 4. VOTED ..	13,547	11,000	9,600	8,400
			TOTAL—b. A.—PUBLIC WORKS ESTABLISHMENTS.	4,11,540	3,30,800	3,20,100	3,00,700
			Non-voted ..	*1,39,894*	*1,00,600*	*93,400*	*87,700*
			VOTED ..	2,71,646	2,30,200	2,26,700	2,13,000
			b. B. OTHER ESTABLISHMENTS.				
b. B. 1. PAY OF OFFICERS.			VOTED	9,063	9,200	8,200	8,200
	2	2	Health Officer 1 (250—600); Civil Assistant Surgeon 1 (200—450).				
			Deduct—Savings due to 10°/。 cut ..	..	..	— 200	— 800
			TOTAL—b. B. 1.—VOTED ..	9,063	9,200	8,000	7,400
b. B. 2. PAY OF ESTABLISHMENTS—TEMPORARY.			VOTED	26,174	27,500	27,500	27,500
	24	26	Sub-Assistant Surgeons 2 (75—175); Nurses 2 (120), Clerk 1 (35—60); Compounders 3 (30—50); Midwife 1 (30); Ward attendants 9 (12—18), 2 (15—18); Totis 4 (12); Peon 1 (12—18); Watchman 1 (12—18)				
	12	12	Sanitary Inspectors 6 (60); Vaccinators 2 (40); Clerk 1 (35—60); Special pay—Shorthand 1 (15); Laboratory Attendant 1 (30); Peons 2 (12—18)				
	35	35	Police Sub-Inspector 1 (60); Head constables 4 (27—30); Constables 30 (17—22)				
			Deduct—Savings due to 10°/。 cut ..	..	..	— 300	— 1,400
			TOTAL—b. B. 2.—VOTED ..	26,174	27,500	27,200	26,100

55. CONSTRUCTION OF IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—IRRIGATION WORKS—PRODUCTIVE—CAUVERY-METTUR PROJECT—HEADWORKS—RESERVED—*cont.*

b. ESTABLISHMENT—*cont.*

Sub-heads of appropriation. (1)	Strength. 1931–1932. (2)	Strength. 1932–1933. (3)	Details. (4)	Accounts, 1930–1931. (5)	Budget Estimate, 1931–1932. (6)	Revised Estimate, 1931–1932. (7)	Budget Estimate, 1932–1933. (8)
				RS.	RS.	RS.	RS.
			b. A. PUBLIC WORKS ESTABLISHMENTS—*cont.*				
b. B. 3. OTHER CHARGES.			VOTED—				
			TRAVELLING ALLOWANCES ..	2,539	2,000	1,400	1,300
			OTHER COMPENSATORY	1,553	1,800	1,500	1,400
			CONTINGENCIES	285	900	300	300
			CHARGES PAYABLE TO GOVERNMENTS, DEPARTMENTS AND OTHERS	478	400	400	400
			Stationery and Printing.				
			TOTAL—b. B. 3.—VOTED ..	4,855	5,100	3,600	3,400
			TOTAL—b. B. OTHER ESTABLISHMENTS—VOTED ..	40,092	41,800	38,800	36,900
b. C. *Deduct*—PERCENTAGE RECOVERIES.			TOTAL—b. C.—VOTED ..	18,569	— 100	— 200	— 200
GRAND TOTAL—55. b. CAUVERY-METTUR PROJECT—HEADWORKS—ESTABLISHMENT				4,70,201	3,72,500	3,58,700	3,37,400
			Non-voted ..	*1,39,894*	*1,00,600*	*93,400*	*87,700*
			VOTED ..	3,30,307	2,71,900	2,65,300	2,49,700

55. CONSTRUCTION OF IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—IRRIGATION WORKS—PRODUCTIVE—CAUVERY-METTUR PROJECT—CANALS—RESERVED.

a. WORKS.

Sub-heads of appropriation.	Detailed account heads.	Amount of estimate.	Accounts to end of 1930–1931.	Budget Estimate, 1931–1932.	Revised Estimate, 1931–1932.	Budget Estimate, 1932–1933.
		Figures by detailed account heads.				
(1)	(2)	(3)	(4)	(5)	(6)	(7)
	a. A. MAIN CANALS AND BRANCHES.	RS.	RS.	RS.	RS.	RS.
a. A. 1. GRAND ANICUT CANAL SYSTEM.	1. A. Preliminary expenses ..	98,800	98,259	100	100	..
	2. B. Land—Cost of land ..	11,03,490	9,52,945	5,000	— 7,200	..
	2 (a). Cost of Land Acquisition establishment. Non-voted.	2,82,910	*549*	3,300	*900*	..
	Voted ..		1,91,786		4,200	8,100
	Deduct—Savings due to 10°/。 cut.	..	..	..	— 100	— 500
	3. D. Regulators	3,99,500	2,70,974	13,200	20,000	3,400
	4. E. Falls and Weirs ..	1,75,000	1,59,487	4,600	7,400	..
	5. F. Cross Drainage Works ..	37,03,700	15,74,597	2,38,400	4,13,400	2,38,400
	6. G. Bridges	9,13,000	6,58,797	66,800	1,10,100	17,000
	7. H. Escapes	28,100	22,142	100	300	..
	8. K. Buildings	2,93,000	1,97,043	3,000	10,000	3,000
	9. L. Earthwork	32,65,400	18,34,658	4,60,500	6,96,700	3,35,000
	10. M. Plantations	50,000	7,697	4,100	5,300	2,600
	11. O. Miscellaneous	1,61,400	71,639	1,600	5,500	1,200
	12. P. Maintenance Non-voted	72,000	*263*	*200*	*200*	*200*
	Voted ..		10,331	7,200	9,100	14,800
	TOTAL—a. A. 1.—GRAND ANICUT CANAL SYSTEM. Non-voted.	..	*812*	*200*	*1,100*	*200*
	Voted ..	1,05,46,300	60,50,355	8,07,900	12,74,800	6,23,000
a. A. 2. VADAVAR SYSTEM.	13. A. Preliminary expenses ..	21,000	20,845	..	..	..
	14. B. Land—Cost of land ..	92,500	71,843	..	..	..
	14 (a). Cost of Land Acquisition establishment.	41,300	19,126	..	2,700	..
	Deduct—Savings due to 10°/。 cut.	..		..	— 100	..
	15. D. Regulators	31,100	27,592	..	..	..
	16. E. Falls and Weirs ..	41,600	22,949	..	1,400	..
	17. F. Cross Drainage works ..	75,000	52,711	1,200	1,700	..
	18. G. Bridges	76,800	38,617	800	1,500	..
	19. H. Escapes	28,500	24,353	..	..	..
	20. K. Buildings	29,900	28,721	500	..	..
	21. L. Earthwork	2,38,200	1,77,824	2,000	21,000	..
	22. M. Plantations	12,800	2,164	1,000	1,500	600
	23. O. Miscellaneous	10,400	8,024	..	5,000	300
	24. P. Maintenance	11,500	3,079	500	2,200	1,000
	TOTAL—a. A. 2. VADAVAR SYSTEM ..	7,10,600	4,97,848	6,000	36,900	1,900

Note.—The provision for each detailed account head under the minor head "Works" should be treated as a specific appropriation.

55. CONSTRUCTION OF IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—IRRIGATION WORKS—PRODUCTIVE—CAUVERY-METTUR PROJECT—CANALS—RESERVED—*cont.*

a. WORKS—*cont.*

SUB-HEADS of appropriation. (1)	Detailed account heads. (2)	Figures by detailed account heads. Amount of estimate. (3)	Accounts to end of 1930–1931. (4)	Budget Estimate, 1931–1932. (5)	Revised Estimate, 1931–1932. (6)	Budget Estimate, 1932–1933. (7)
	a. B. DISTRIBUTARIES.	RS.	RS.	RS.	RS.	RS.
a. B. 1. GRAND ANICUT CANAL SYSTEM.	25. A. Preliminary expenses ..	1,35,000	1,20,531	3,100	5,500	1,000
	26. B. Land—Cost of land ..	14,57,900	9,52,456	2,00,000	85,300	2,98,300
	26 (*a*). Cost of Land Acquisition establishment. *Non-voted* ..	..	*19,207*	*18,000*	*13,900*	*26,200*
	Voted ..	6,91,800	3,10,893	1,13,000	65,400	2,46,700
	Deduct—Savings due to 10°/ₒ cut. *Non-voted* ..	..	..	..	*— 400*	*— 2,600*
	Voted ..	..	..	..	— 1,000	— 15,000
	(*b*) *Deduct—English cost of Land Acquisition establishment—Non-voted* ..	..	..	..	*— 4,200*	*— 4,800*
	27. C. Works	14,89,550	4,66,294	1,41,500	1,53,900	1,54,000
	28. L. Earthwork	14,31,350	4,64,524	99,100	1,05,300	82,800
	29. M. Plantations	17,100	3,940	2,800	2,800	1,800
	30. O. Miscellaneous	90,000	29,829	1,200	14,300	19,100
	31. P. Maintenance	45,100	170	4,300	4,300	4,300
	TOTAL—a. B. 1. GRAND ANICUT CANAL SYSTEM— *Non-voted*	..	*19,207*	*18,000*	*9,300*	*18,800*
	VOTED ..	53,57,800	23,48,637	5,65,000	4,35,800	7,93,000
a. B. 2. VADAVAR SYSTEM.	32. A. Preliminary expenses ..	24,000	22,568	..	..	..
	33. B. Land—Cost of land ..	3,43,900	2,59,045	45,000	42,500	..
	33 (*a*). Cost of Land Acquisition establishment. *Non-voted* ..	..	*672*	..	*9,600*	..
	Voted ..	1,07,300	52,859	21,000	50,500	..
	Deduct—Savings due to 10°/ₒ cut. *Non-voted* ..	..	..	..	*— 400*	..
	Voted ..	..	..	..	— 800	..
	34. C. Works	2,84,100	1,75,825	5,000	18,500	3,000
	35. L. Earthwork	2,62,200	2,31,268	..	8,200	..
	36. M. Plantations	2,240	2,591	..	100	..
	37. O. Miscellaneous	12,660	9,850	..	2,400	..
	38. P. Maintenance	9,000	1,459	500	5,800	..
	TOTAL—a. B. 2. VADAVAR SYSTEM— *Non-voted*	..	*672*	..	*9,200*	..
	VOTED ..	10,45,400	7,55,465	71,500	1,27,200	3,000
a. C. SPECIAL TOOLS AND PLANT.	39. Special Tools and Plant ..	16,28,000	11,88,692	25,000	7,000	13,000
	TOTAL—a. C. SPECIAL TOOLS AND PLANT ..	16,28,000	11,88,692	25,000	7,000	13,000
a. D. RECEIPTS BY SALE OF SPECIAL TOOLS AND PLANT.	Receipts by sale of Special Tools and Plant	— 1,00,000	— 81,201	— 7,000	— 37,500	— 50,000
	TOTAL—a. D. RECEIPTS BY SALE OF SPECIAL TOOLS AND PLANT ..	—1,00,000	— 81,201	— 7,000	— 37,500	— 50,000
GRAND TOTAL—CAUVERY-METTUR PROJECT—CANALS—a. WORKS.		1,91,88,100	1,07,80,487	14,86,600	18,63,800	14,02,900
Non-voted ..		..	*20,691*	*18,200*	*19,600*	*19,000*
Voted ..		1,91,88,100	1,07,59,796	14,68,400	18,44,200	13,83,900

Note.—The provision for each detailed account head under the minor head "Works" should be treated as a specific appropriation.

55. CONSTRUCTION OF IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—IRRIGATION WORKS—PRODUCTIVE—CAUVERY-METTUR PROJECT—CANALS—RESERVED—*cont.*

b. ESTABLISHMENT.

Sub-heads of appropriation. (1)	Strength. 1931–1932. (2)	Strength. 1932–1933. (3)	Details. (4)	Figures by detailed account heads. Accounts, 1930–1931. (5)	Budget Estimate, 1931–1932. (6)	Revised Estimate, 1931–1932. (7)	Budget Estimate, 1932–1933. (8)
			b. A. PUBLIC WORKS ESTABLISHMENTS.	RS.	RS.	RS.	RS.
b. A. 1. PAY OF OFFICERS.	*4*	*3*	NON-VOTED .. .. *Superintending Engineer 1 (1,750—100—2,150) for 4 months; Executive Engineers 2 (625—1,375).*	*59,960*	*64,500*	*48,500*	*32,500*
			Deduct—*Savings due to 10°/₀ cut* ..	..	..	*— 1,200*	*— 3,200*
	8	7	VOTED .. .. Temporary Executive Engineer 1 (1,375) for 3 months; Assistant Engineers 6 (250—750) 3 for 12 months and 3 for 3 months.	43,856	41,800	48,000	24,500
			Deduct—Savings due to 10°/₀ cut ..	..	..	— 1,100	— 2,500
			TOTAL—b. A. 1. *Non-voted* ..	*59,960*	*64,500*	*47,300*	*29,300*
			TOTAL—b. A. 1. VOTED ..	43,856	41,800	46,900	22,000
b. A. 2. PAY OF ESTABLISHMENTS—TEMPORARY.			VOTED	1,12,998	1,09,000	1,09,000	61,000
	43	34	Manager 1 (150—200); Accountants 2 (100—300); Head Clerks 2 (80—120); Store-keeper 1 (80—120); Clerks 4 (60—80), 20 (35—60), Typists 4 (35—60); Special pay—Shorthand 1 (15) ..				
	62	39	Supervisors 28 (80—250), Draughtsmen 1 (150—200), 2 (110—140), 4 (60—100); Tracers 4 (30—50)				
	96	70	Attender 1 (20—35); Peons 37 (12—18), 32 (12—18)				
			Deduct—Savings due to 10°/₀ cut ..	..	..	— 2,000	— 5,400
			TOTAL—b. A. 2.—VOTED ..	1,12,998	1,09,000	1,07,000	55,600
b. A. 3. ALLOWANCES.			NON-VOTED— *TRAVELLING ALLOWANCES* ..	*9,973*	*10,000*	*9,000*	*6,000*
			VOTED— TRAVELLING ALLOWANCES ..	30,383	29,000	32,000	15,000
			TOTAL—b. A. 3. *Non-voted* ..	*9,973*	*10,000*	*9,000*	*6,000*
			TOTAL—b. A. 3. VOTED ..	30,383	29,000	32,000	15,000
b. A. 4. OTHER CHARGES.			NON-VOTED— *GRANTS-IN-AID (Contributions for passages)*	*495*	*600*	*600*	..
			VOTED— CONTINGENCIES	14,053	10,000	9,500	5,000
			CHARGES PAYABLE TO GOVERNMENTS, DEPARTMENTS AND OTHERS ..	5,177	5,000	5,000	2,500
			Stationery and Printing.				
			Grants-in-aid— Bonus to Special Provident Fund.	2,477	..	1,400	1,400
			TOTAL—b. A. 4. *Non-voted* ..	*495*	*600*	*600*	..
			TOTAL—b. A. 4. VOTED ..	21,707	15,000	15,900	8,900
			TOTAL—b. A. PUBLIC WORKS ESTABLISHMENTS ..	2,79,372	2,69,900	2,58,700	1,36,800
			Non-voted ..	*70,428*	*75,100*	*56,900*	*35,300*
			VOTED ..	2,08,944	1,94,800	2,01,800	1,01,500

55. CONSTRUCTION OF IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—IRRIGATION WORKS—PRODUCTIVE—CAUVERY-METTUR PROJECT—CANALS—RESERVED—*cont.*

b. ESTABLISHMENT—*cont.*

Sub-heads of appropriation. (1)	Strength. 1931–1932. (2)	Strength. 1932–1933. (3)	Details. (4)	Accounts, 1930–1931. (5)	Budget Estimate, 1931–1932. (6)	Revised Estimate, 1931–1932. (7)	Budget Estimate, 1932–1933. (8)
			b. B. OTHER ESTABLISHMENTS.	RS.	RS.	RS.	RS.
b. B. OTHER ESTABLISHMENTS.			VOTED—				
			PAY OF ESTABLISHMENTS ..	435	1,500	1,600	1,700
	3	3	Sub-Assistant Surgeon 1 (75—175) ; Compounder 1 (30—50) ; Ward attendant 1 (12—18)				
			Deduct—Savings due to 10°/. cut ..	..	..	..	— 100
			TRAVELLING ALLOWANCES AND OTHER CHARGES	730	600	500	500
			TOTAL b. B.—VOTED ..	1,165	2,100	2,100	2,100
b. C. *Deduct*—PERCENTAGE RECOVERIES.			TOTAL—b. C. VOTED ..	— 11,949	— 3,000	— 8,900	..
GRAND TOTAL—55. CAUVERY-METTUR PROJECT—CANALS—b. ESTABLISHMENT ..				2,68,588	2,69,000	2,51,900	1,38,900
			Non-voted ..	*70,428*	*75,100*	*56,900*	*35,300*
			VOTED ..	1,98,160	1,93,900	1,95,000	1,03,600

55. CONSTRUCTION OF IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—CAUVERY-METTUR PROJECT—RESERVED—*cont.*

j. EXPENDITURE IN ENGLAND—STORES, ETC.

Sub-heads of appropriation. (1)	Details. (2)	Accounts, 1930–1931. (3)	Budget Estimate, 1931–1932. (4)	Revised Estimate, 1931–1932. (5)	Budget Estimate, 1932–1933. (6)
		RS.	RS.	RS.	RS.
	VOTED—				
j. A. STORES.	STORES	3,40,914	1,33,000	96,400	27,000
	TOTAL—j. A.—VOTED ..	3,40,914	1,33,000	96,400	27,000
J. B. LEAVE SALARIES AND DEPUTATION PAY.	VOTED—				
	PAY OF ASSISTANT MECHANICAL ENGINEER ..	..	..	6,200	14,000
	TOTAL—j. B.—VOTED ..	..	..	6,200	14,000
J. C. STERLING OVERSEAS PAY.	*Non-voted—*				
	Sterling Overseas Pay of Land Acquisition Officer	*3,054*	..	*4,200*	*4,800*
	TOTAL—j. C. NON-VOTED ..	*3,054*	..	*4,200*	*4,800*
GRAND TOTAL—55. j.—EXPENDITURE IN ENGLAND—STORES, ETC. CAUVERY-METTUR PROJECT ..		3,43,968	1,33,000	1,06,800	45,800
	Non-voted ..	*3,054*	..	*4,200*	*4,800*
	VOTED ..	3,40,914	1,33,000	1,02,600	41,000

55. CONSTRUCTION OF IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—RESERVED—*cont.*

j. Expenditure in England—Other than on Stores.

Sub-heads of appropriation. (1)	Details. (2)	Figures by detailed account heads. Accounts, 1930–1931. (3)	Budget Estimate, 1931–1932. (4)	Revised Estimate, 1931–1932. (5)	Budget Estimate, 1932–1933. (6)
		RS.	RS.	RS.	RS.
55. D. Cauvery-Mettur Project.	Non-voted—				
	Leave salaries and deputation pay ..	*14,818*	*4,400*	*10,000*	*5,200*
	Sterling overseas pay—	*21,533*	*21,000*	*15,600*	*11,800*
	Voted—				
	Leave Salaries and Deputation Pay ..	4,166 * — 52	..	..	..
	Total A.—Cauvery-Mettur Project. *Non-voted.*	*36,351*	*25,400*	*25,600*	*17,000*
	Total A.—Cauvery-Mettur Project. Voted ..	4,114	..	..	..
E. Other Works.	Non-voted—				
	Sterling overseas pay	..	*4,800*	*1,200*	..
	Total—B. Other works—*Non-voted* ..	..	*4,800*	*1,200*	..
	Total—55 ..	40,465	30,200	26,800	17,000
	Non-voted ..	*36,351*	*30,200*	*26,800*	*17,000*
	Voted ..	4,114	..	..	..

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* Expenses connected with recruitment in England.